

# The limecv document class\*

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## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Requirements</b>	<b>2</b>
<b>3</b>	<b>General Macros and Document Class Options</b>	<b>2</b>
3.1	Internationalisation . . . . .	2
<b>4</b>	<b>Sidebar</b>	<b>3</b>
<b>5</b>	<b>Main Content</b>	<b>6</b>
<b>6</b>	<b>Cover Letter</b>	<b>9</b>
<b>7</b>	<b>Change Style and Layout</b>	<b>10</b>
<b>8</b>	<b>Example</b>	<b>13</b>
<b>9</b>	<b>Implementation</b>	<b>13</b>

## 1 Introduction

This document class is designed to facilitate easy development of curriculum vitæ (CV). A set of predefined macros and environments are available for most common sections on a CV. These special elements have been designed to ease quick creation. This document class was co-designed with a business card, which can be found on GitHub: <https://github.com/opieters/business-card>.

The design of this CV is split up in three parts, illustrated by fig. 1. Each of these parts that make up this CV template will be detailed in the sections below.

---

\*This document corresponds to limecv v0.1.3, dated 2017/09/12.

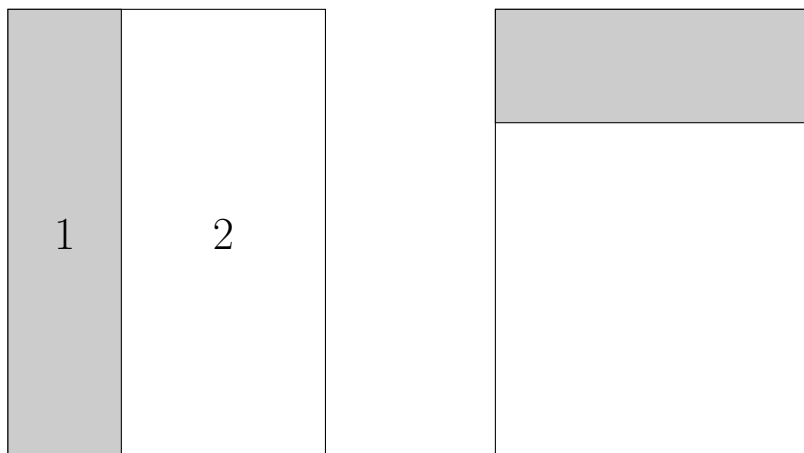


Figure 1: Illustration of a basic template. The image to the left depicts the actual CV: sidebar to the left (1) with main content on the right (2). The image to the right depicts the cover letter design.

## 2 Requirements

It is advised to use the **XeLaTeX** engine. However, there is also support for **LaTeX** and **LuaLaTeX**. In these cases, fonts might be different than intended and side bearings will not be corrected, since only the XeLaTeX engine has access to these. In the subsequent sections, it will always be assumed that the XeLaTeX compiler is used (unless noted otherwise).

Any font can be used, though by default the **Fira**<sup>1</sup> font is used. This should be installed and accessible by the typesetting system. If another font is desired, it can be overwritten using the `sansfont` document class options and `\cvMainFont` command. The mono spaced font can be changed by means of the `monofont` class option.

**FontAwesome**<sup>2</sup> is the icon font used. This font should also be available and cannot be replaced by another icon font. Most modern TeX distributions ship with this font since they provide the `fontawesome` package.

## 3 General Macros and Document Class Options

### 3.1 Internationalisation

`\cvSetLanguage` Currently, there is only internationalisation support for English and Dutch. The default language is English and can be modified using the `\cvSetLanguage` macro. Possible arguments are: `english` and `dutch`. If you want to use a different language, you need to modify the keys that hold the different section titles. These

<sup>1</sup><https://github.com/mozilla/Fira>

<sup>2</sup><http://fontawesome.io>

can be in the source code. The following snippet illustrates how this can be done for French:

```
1 \pgfkeys{/@cv/names/education = Formations}
2 \pgfkeys{/@cv/names/skills = Comp tences}
```

## 4 Sidebar

The sidebar should contain personal information such as your name, job title (or industry or similar), contact information, small bio, interests and language skills. Special environments and commands have been defined for each of these sections and will be described below.

Everything that should be inside the sidebar should be placed in the `cvSidebar` environment. This environment is placed on the left side of the page by default. If it should be typeset on the right side, use the starred version (`cvSidebar*`)

The following environments are available inside the sidebar environment: `cvProfile`, `cvContact`, `cvLanguages`, `cvInterests` and `cvProjects`.

`\cvID` This command typesets a picture (in a circle) with name and position underneath it. The argument order is: `\cvID{<first name>}{<last name>}{<picture location>}{<job position>}`. Empty fields are allowed for the third and fourth arguments. No picture and no job position will then be typeset. Example code:

```
1 \cvID{John}{Doe}{profile_picture}{Broker}
```

`cvProfile` This environment contains a brief profile description or biography. No additional arguments are allowed. Example code:

```
1 \begin{cvProfile}
2   A short biography goes here.
3 \end{cvProfile}
```

`cvContact` All the contact information goes here. Inside this environment, the following commands are available:

- `\cvContactAddress` • `\cvContactAddress{<address>}` typesets an address. How this address should be typeset exactly, is left to the user. The use of line breaks (`\`) is allowed;
- `\cvContactEmail` • `\cvContactEmail{<link>}{<email address>}` typesets an email address. The link variable should be a something like `mailto:john@doe.tld`. Clicking on the email address will then automatically open the default email client with this address as recipient. If the link argument is left empty, no link will be created.
- `\cvContactPhone` • `\cvContactPhone{<mobile phone number>}` typesets a mobile phone number.
- `\cvContactWebsite` • `\cvContactWebsite{<link>}{<website URL>}` typesets a website. The link variable should be a something like `https://johndoe.tld`. Clicking on the

website will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.

- `\cvContactGithub`
  - `\cvContactGithub{\link}{\username}` typesets a GitHub profile. The link variable should be a valid link to the GitHub profile (for example <https://github.com/johndoe>). Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.
  
- `\cvContactLinkedin`
  - `\cvContactLinkedin{\link}{\username}` typesets a LinkedIn profile. The link variable should be a link to your LinkedIn profile homepage (for example <https://www.linkedin.com/in/johndoe/>). Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.
  
- `\cvContactTwitter`
  - `\cvContactTwitter{\link}{\username}` typesets a Twitter profile. The link variable should direct to your Twitter profile. An example link looks as follows: <https://twitter.com/johndoe>. Clicking on the username will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website. this address as recipient. If the link argument is left empty, no link will be created.
  
- `\cvContactKeybase`
  - `\cvContactKeybase{\link}{\fingerprint}` typesets a Keybase fingerprint (and account). The link variable should be a link to the KeyBase profile (e.g. <https://keybase.io/johndoe>). Clicking on the fingerprint will then automatically open the default web browser. If the link argument is left empty, no action will be performed upon clicking on the website.

A full example:

```

1 \begin{cvContact}
2   \cvContactAddress{Some Street 78\B-9000 Ghent\
   Belgium}
3   \cvContactEmail{mailto:john@doe.tld}{john@doe.tld}
4   \cvContactPhone{+1 781 555 1212}
5   \cvContactWebsite{https://doe.tld}{doe.tld}
6   \cvContactGithub{https://github.com/johndoe}{johndoe}
7   \cvContactLinkedin{https://www.linkedin.com/in/johndoe
   /}{johndoe}
8   \cvContactTwitter{https://twitter.com/johndoe}{
   @johndoe}
9   \cvContactKeybase{https://keybase.io/johndoe}{\texttt{
   AAAA 5555 BBBB FFFF}}
10 \end{cvContact}

```

If you wish to add contact information that is not available by default, you can extend the command using two internal commands: `\cv@ContactTemplateLink` and `\cv@ContactTemplate`. See the source code for usage instructions.

`cvLanguages` This environment is used to showcase language skills. The `\cvLanguage{<language>}{<skill level>}` should be used inside this environment. The skill level is a real value with a maximum value of 5. If higher values are used, the result will not be typeset properly. An example is included below.

```

1 \begin{cvLanguages}
2   \cvLanguage{English (native)}{5}
3   \cvLanguage{German (B1)}{3}
4   \cvLanguage{Spanish}{3}
5 \end{cvLanguages}

```

`cvInterests` Typeset interests (can be both professional and personal) using `cvInterests`. By default it just typesets a list of items in the long format (`long`). The short format can be activated by passing the `short` option to the environment. Inside this environment, three commands can be used: `\cvInterestsPersonal`,

`\cvInterestsProfessional` and `\cvInterest`. `\cvInterestsPersonal` and `\cvInterestsProfessional` add optional sections inside this environment to differentiate between personal and professional interests respectively. Both macros have no options nor arguments. The `\cvInterest{<icon>}{<interest>}` command takes an icon and interest as arguments.

Examples that illustrate the different options are depicted below:

```

1 \begin{cvInterests}
2   \cvInterestsPersonal
3   \cvInterest{\faTrain}{model trains}
4   \cvInterest{\faFlask}{(applied) sciences}
5   \cvInterest{\faSuitcase}{travelling}
6   \cvInterestsProfessional
7   \cvInterest{\faGraduationCap}{machine learning}
8   \cvInterest{\faCogs}{robotics}
9 \end{cvInterests}

```

```

1 \begin{cvInterests}[short]
2   \cvInterestsPersonal
3   \cvInterest{\faTrain}{model trains}
4   \cvInterest{\faFlask}{(applied) sciences}
5   \cvInterest{\faSuitcase}{travelling}
6   \cvInterest{\faCamera}{photography}
7   \cvInterest{\faGamepad}{gaming}
8   \cvInterest{\faMusic}{music}
9 \end{cvInterests}

```

`cvProjects` If you have interesting (side) projects that are relevant for your CV, you can list them using the `cvProjects` environment. Inside this environment you can use the `\cvProject[<options>]{<name>}{<description>}` macro to list all your projects. The only options currently allowed in `<options>` are an image (using `image`) and a URL (using `link`). This image must be an external file and the user must handle its size through `width` or `height`. Example usage:

```

1 \begin{cvProjects}
2   \cvProject[image=clock,width=1cm]{yanic}{An IoT nixie
   clock.}
3   \cvProject{\texttt{limecv}}{A \LaTeX\ document class
   for curriculum vit\ae.}
4 \end{cvProjects}

```

It is currently not possible to extend the sidebar with additional environments. To add your own, look at the source code and create your own L<sup>A</sup>T<sub>E</sub>X-style hack.

## 5 Main Content

The main content section includes details on your education, experience, skills, references and more. Several environments have been designed to suit specific needs. These will be discussed next.

`cvMainContent` Everything in the main content section should be encapsulated in the `cvMainContent` environment. This environment defines four new environments: `cvEducation`, `cvExperience`, `cvSkills` and `cvReferences`. These four environments are self explanatory in terms of functionality. We will detail each of these environments.

Note that `cvMainContent` also has a starred variant (`cvMainContent*`). The function is similar to `cvSidebar*`, in the sense that it places everything to the left instead of the default right location.

`cvEducation` The education environment creates a timeline styled list of your education. Individual education items should be listed by means of the `\cvItem{details}` macro which is available within this environment. Instead of forcing a specific layout structure, it was preferred to leave the actual mark-up to the end user. *All* information concerning a single education should be passed to this single argument. However, the user is always welcome to create his own styling macro that takes multiple arguments. This is illustrated by the examples below.

Listing 1: `cvEducation` *without* special user mark-up command.

```

1 \begin{cvEducation}
2   \cvItem{Evening class: Chinese\\
3     Some School, City. September 2015 -- June 2016\\
4     Achieved A2 language skill in Chinese (Mandarin).}
5   \cvItem{Bachelor of Science in Biochemistry and
6     Biotechnology\\
7     University, City. September 2009 -- June 2012\\
8     General training in the basic sciences and the
9     molecular life science.}
10  \cvItem{Master of Science in Biochemistry and
     Biotechnology\\
     University, City. September 2012 -- June 2015\\
     Acquisition of insight into and knowledge of
     possibilities for application in the area

```

```

11 of biochemistry and biotechnology, specific with
12 applications in biomedical application
13 and due problem-solving reasoning skills.}
14 \end{cvEducation}

```

Listing 2: cvEducation *with* special user mark-up command.

```

1 % in preamble:
2 \newfontfamily\firaMedium{Fira Sans Medium}
3 \NewDocumentCommand{\cvEducation}{mmm}{\firaMedium
4 #1}\ #2\ \emph{#3}}
5 % in document:
6 \begin{cvEducation}
7 \cvItem{\cvEducation{Evening class: Chinese}%
8 {Some School, City. September 2015 -- June
9 2016}%
10 {Achieved A2 language skill in Chinese (
11 Mandarin).}}
12 \cvItem{\cvEducation{Bachelor of Science in
13 Biochemistry and Biotechnology}%
14 {University, City. September 2009 -- June
15 2012}%
16 {General training in the basic sciences and
17 the molecular life science.}}
18 \cvItem{\cvEducation{Master of Science in Biochemistry
19 and Biotechnology}%
20 {University, City. September 2012 -- June
21 2015}%
22 {Acquisition of insight into and knowledge
23 of possibilities for application
24 in the area of biochemistry and
25 biotechnology, specific with
26 applications
27 in biomedical application and due problem-
28 solving reasoning skills.}}
29 \end{cvEducation}

```

**cvExperience** cvExperience works very similar to cvEducation. It follows the exact same structure and has the same design philosophy where you should use \cvItem inside this environment to typeset the individual items in a timeline style. Listing 3 illustrates this with an example.

Listing 3: cvExperience code example.

```

1 \begin{cvExperience}
2 \cvItem{Student Job\
3 \textsc{\selectfont Company X}, Location X. Summer
4 2010\

```

```

4 Integer tincidunt dapibus consectetur. Nullam
   tristique aliquam luctus. Sed ut ante velit.
5 Nulla pharetra maximus lacus at elementum.
   Suspendisse sodales consectetur metus, sit amet
6 ultricies ipsum ultrices ut.};
7 \cvItem{Internship\
8   \textsc{Company Y}, Location Y. June 2012 -- August
   2012\
9   Lorem ipsum dolor sit amet, consectetur adipiscing
   elit. Morbi dictum cursus sapien, id
10  eleifend mi pellentesque id. Etiam lobortis eu odio
   a sodales. Phasellus ut dolor feugiat,
11  lacinia lectus in, blandit metus. Fusce lacinia
   dolor et metus gravida pulvinar sit amet
12  et ex.};
13 \cvItem{Internship\
14   \textsc{Company Z}, Location Z. August 2014 --
   September 2014\
15  Lorem ipsum dolor sit amet, consectetur adipiscing
   elit. Morbi dictum cursus sapien, id
16  eleifend mi pellentesque id. Etiam lobortis eu odio
   a sodales. Phasellus ut dolor feugiat,
17  lacinia lectus in, blandit metus. Fusce lacinia
   dolor et metus gravida pulvinar sit amet
18  et ex. Suspendisse vestibulum, leo malesuada
   molestie maximus, sem risus ornare elit, vitae
19  sodales felis elit in ipsum.};
20 \end{cvExperience}

```

**cvSkills** The skills section is contained within the `cvSkills` environment. This environment typesets your skills on a 5-level (discrete) scale. These are divided into two columns. To that end, two macros are available: `cvSkillOne` and `cvSkillTwo`.

**cvSkillTwo** `cvSkillTwo{<skill level>}{<skill>}{<skill level>}{<skill>}` typesets a row of two

**cvSkillOne** skills. If you have an odd number of items, `cvSkillOne{<skill level>}{<skill>}` should be used. An example of a skill-list can be found in listing 4.

Listing 4: Illustration of the `cvSkills` environment.

```

1 \begin{cvSkills}
2   \cvSkillTwo{5}{MATLAB}{5}{\LaTeX}
3   \cvSkillTwo{4}{Python}{4}{VHDL}
4   \cvSkillTwo{4}{Microsoft Office}{4}{macOS}
5   \cvSkillOne{3}{C, C++}
6 \end{cvSkills}

```

**cvReferences** The final section is intended to list all your references. These go inside the `cvReferences` environment. The enumeration of the different items

**\cvAddReference** should be done using the `\cvAddReference{<information>}` macro. The follow-



ing keys are available: `name`, `company`, `job`, `address line 1`, `address line 2`, `address line 3`, `mobile phone`, `work phone` and `email`. These are all optional arguments and will be typeset consistently between the two references per row. When adding two references, the left one should be specified first using `\cvAddReference*`. This will store the values and typeset them when adding the second reference through `\cvAddReference`. Note that `\cvAddReference` should be used if only one reference needs to be typeset. Listing 5 illustrates the usage of this environment.

*Important remark:* the comment after the usage of `\cvAddReference` is required! Otherwise, spacing will not be as intended.

Listing 5: `cvReferences` code example.

```

1 \begin{cvReferences}
2   \cvAddReference{%
3     name=Jane Smith,
4     company=Company ABC Co.\ Ltd.,
5     job=Job title,
6     address line 1=Street lane 2,
7     address line 2=B-1150 Brussels,
8     mobile phone=+1 781 555 1212}% <<-- Important!!!
9 \end{cvReferences}

```

## 6 Cover Letter

A final (optional) part of a CV is the cover letter. This is a fairly simple part to create design wise, but probably the hardest to write in an actual CV.

`cvCoverLetter` The cover letter environment is `cvCoverLetter` and contains all the cover letter details. It will automatically add a header with your name and position based on the information filled in in `\cvID`.

`\cvBeneficiary` The `\cvBeneficiary`{*options*} macro offers a convenience wrapper to typeset the beneficiary. Possible options are `name`, `position`, `company`, `address line 1`, `address line 2` and `address line 3`. The remainder of the cover letter design is up to the user. An example design can be found in listing 6.

`\cvFullName` `\cvFullName` typeset the authors name based on the data provided in `cvID`.

Listing 6: `cvCoverLetter` code example.

```

1 \section{Cover Letter}
2
3 \begin{cvCoverLetter}
4
5 \cvBeneficiary{%
6   name=Jane Smith,
7   position=Position,
8   company=Company,
9   address line 1=Address line 1,

```

```

10   address line 2=Address line 2}
11
12 Dear Miss.\ Smith
13
14 \vspace{\baselineskip}
15 \lipsum[1-3]
16 \vspace{\margin}
17
18 \cvFullName
19
20 \end{cvCoverLetter}

```

## 7 Change Style and Layout

To change the style, one can redefine the colours, lengths and TikZ styles used throughout the document class.

By default the following colours are defined:

- `cvGreen` default dark green colour (hex value: `357F2D`)
- `cvGreenLight` light green colour, for larger shapes and backgrounds (hex value: `B8E4B3`)
- `cvDark` default text colour (hex value: `2F3142`)
- `cvRed` currently not used (hex value: `7F2D35`)
- `cvAccent` lighter grey shade for accented text (hex value: `474A65`)

To change these, use the code from listing 7 in the preamble:

Listing 7: Colour editing.

```

1 \definecolor{cvDark}{HTML}{000000}

```

By overwriting the following styles, one can change the appearance of multiple TikZ nodes. The following styles are available.

- `interesticon`
- `interesttext`
- `eventdottext`
- `invisibletimedot`
- `timedot`
- `eventdot`
- `contactIcon`

- `contactText`
- `headerIcon`
- `skillLevel`
- `languageText`
- `skillText`
- `progressArea`
- `progressBar`
- `sectionTitle`
- `sectionEduText`

Adding your own styles is easy with the code from listing 8.

Listing 8: Change TikZ style.

```

1 \tikzset{
2   interesticon/.style = {},
3 }

```

Spacing used inside the document can also be modified by the user. The following lengths have been defined:

- `\cvColSep` Distance between columns of `cvSkills`. Default value: 1cm.
- `\cvNodeSep` Not used currently. Default value: 0.75cm.
- `\cvTimeDotDiameter` Size of the dots in a timeline. Default value: 3pt.
- `\cvMargin` Margin around the entire page. Default value: 1cm.
- `\cvSideWidth` Width of the sidebar. Default value:  $0.3\text{\paperwidth} - \text{\cvMargin}$ .
- `\cvMainWidth` Width of the main content section. Default value:  $\text{\paperwidth} - 4\text{\cvMargin} - \text{\cvSideWidth}$ .
- `\cvTimeDotSep` Distance between timeline dot and text. Default value: 0.4cm.
- `\cvStartEndSep` Not used. Default value: 0.3cm.
- `\cvItemSep` Distance between `cvItem` entries. Default value: 0.4cm.
- `\cvTableSepWidth` Distance between two columns of `cvReferences` environment. Default value: 0.3cm.
- `\cvCoverLetterHeight` Height of the coloured bar at the top of the cover letter. Default value: `\cvSideWidth`.

- `\cvCoverLetterWidth` Width of the cover letter text. This can be used to improve to layout. Default value: `\cvMainWidth+3\cvMargin`.
- `\cvPictureWidth` Diameter of the profile picture. Default value: 4cm.
- `\cvProgressAreaWidth` Length of a progress bar for the languages section. Default value: 5em.
- `\cvProgressAreaHeight` Height of a progress bar for the languages section. Default value: 0.75em.
- `\cvSectionSep` Distance between sections of the main content section. Default value: 0.6cm.
- `\cvSectionSBSep` Distance between sections of the sidebar section. Default value: 4pt.
- `\cvTitleLineWidth` Line width of horizontal line below section title. Default value: 2pt.
- `\cvTitleLineSpacing` Distance from bottom of the titles of the main content section to the horizontal centre of line. Default value: 0.1cm.
- `\cv@projectSep` Internal length. Automatically set to `\cvItemSep`.
- `\cvProjectDetailsSep` Internal spacing between details of a single project. Default value: 0.2cm.
- `\cvInterestDetailsSep` Distance between items in case the `long` options is used for the `cvInterests` environment. Default value: 4pt.
- `\cvContactItemSep` Distance between items in the `cvContact` environment. Default value: 5pt.
- `\cvCoverLetterLineWidth` Line width of line below cover letter name. Default value: 3pt.
- `\cvCoverLetterPositionSpacing` Distance between name and position in the cover letter. Default value: 10pt.
- `\cvSBSectionLineWidth` Line width of left and right lines next to the titles of in the sidebar. Default value: 1pt.
- `\cvCoverLetterLineSpacing` Distance between name and line below it in the cover letter. Default value: 0pt.
- `\cvIDNameSep` Distance between first and last name. Default value: 0.1cm.
- `\cvPositionSep` Distance before and after the position. Default value: 0.5cm.
- `\cvSkillSep` Distance between skills. Default value: 1ex.

- `\cvHeaderIconWidth` Automatically set, currently has no visible effect on document. Default value: `0pt`.

The fonts can also be changed, either by using the `sansfont` and `monofont` class options, or by using the default ways provided by L<sup>A</sup>T<sub>E</sub>X, XeLaTeX and LuaLaTeX. Note that the `fontspec` package is already loaded by the class, so you can directly use `\setmainfont` in the preamble if you are using the XeLaTeX or LuaLaTeX engine.

## 8 Example

The source code of a typical CV document can be found in the examples folder. Figures 2 and 3 depict the resulting PDF documents.

## 9 Implementation

limecv.cls

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A (Xe/Lua)LaTeX document class

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This work has the LPPL maintenance status ‘maintained’.

The Current Maintainer of this work is Olivier Pieters. Contact the maintainer at: me (at) olivierpieters (dot) be.

---

Include minimal required packages  
process key-value class options

```
1 \RequirePackage{kvoptions}
```

---

Process options of this class.

```
2 \DeclareBoolOption[false]{print}
3 \newif\ifcv@fontPath
4 \cv@fontPathfalse
5 \DeclareStringOption{path}
6 \AddToKeyvalOption*{path}{\cv@fontPathtrue}
7 \DeclareStringOption[Fira Sans]{sansfont}
8 \DeclareStringOption[Fira Mono]{monofont}
9 \ProcessKeyvalOptions*
```

---

Process general class options  
pass document options to article class, which forms base of this document class



**John Doe**  
position

**Profile**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus ullamcorper euismod lorem nec eleifend. Suspendisse ac varius quam. Etiam laoreet nunc orci, vestibulum imperdiet enim elementum at. Duis dictum metus sapien, eu blandit quam malesuada et. Ut viverra maximus eros.

**Contact**  
Some Street 78  
B-9000 Ghent  
john@doe.tld  
+1 781 555 1212  
doe.tld  
johndoe  
@johndoe  
AAA 5555 BBBB FFFF

**Languages**  
English (native) ██████████  
German (B2) ██████████  
Spanish ██████████

**Interests**  
Personal  
model trains  
gaming  
travelling  
Professional  
film  
photography

**Projects**  
Limecv  
A  $\LaTeX$  CV document class.

## Education

- Evening class: Chinese  
Some School, City. September 2015 – June 2016  
Achieved A2 language skill in Chinese (Mandarin).
- Bachelor of Science in Biochemistry and Biotechnology  
University, City. September 2009 – June 2012  
General training in the basic sciences and the molecular life science.
- Master of Science in Biochemistry and Biotechnology  
University, City. September 2012 – June 2015  
Acquisition of insight into and knowledge of possibilities for application in the area of biochemistry and biotechnology, specific with applications in biomedical application and due problem-solving reasoning skills.

## Experience

- Student Job  
COMPANY X, Location X. Summer 2010  
Integer tincidunt dapibus consectetur. Nullam tristique aliquam luctus. Sed ut ante velit. Nulla pharetra maximus lacus at elementum. Suspendisse sodales consectetur metus, sit amet ultricies ipsum ultrices ut.
- Internship  
COMPANY Y, Location Y. June 2012 – August 2012  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi dictum cursus sapien, id eleifend mi pellentesque id. Etiam lobortis eu odio a sodales. Phasellus ut dolor feugiat, lacinia lectus in, blandit metus. Fusce lacinia dolor et metus gravida pulvinar sit amet et ex.
- Internship  
COMPANY Z, Location Z. August 2014 – September 2014  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi dictum cursus sapien, id eleifend mi pellentesque id. Etiam lobortis eu odio a sodales. Phasellus ut dolor feugiat, lacinia lectus in, blandit metus. Fusce lacinia dolor et metus gravida pulvinar sit amet et ex. Suspendisse vestibulum, leo malesuada molestie maximus, sem risus ornare elit, vitae sodales felis elit in ipsum.

## Skills

●●●●●	MATLAB	●●●●●	$\LaTeX$
●●●●○	Python	●●●●○	VHDL
●●●●○	Microsoft Office	●●●●○	macOS
●●●○○	C, C++	●○○○○	Javascript
●●●○○	HTML5/CSS	●●●○○	Bash

## References

Jane Smith  
Company ABC Co. Ltd.  
Job title  
Street lane 2  
B-1150 Brussels  
+1 781 555 1212

Figure 2: Example CV (scaled).

# John Doe

position

November 25, 2017

JANE SMITH  
Company  
Position  
Address line 1  
Address line 2

Dear Miss. Smith

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor

Figure 3: Example cover letter (scaled). Figure not included.

```

10 \DeclareOption*{%
11   \PassOptionsToClass{\CurrentOption}{article}%
12 }
13 \ProcessOptions\relax
14 \LoadClass{article}

```

---

```

    Include required packages
    check if XeTeX is used
15 \RequirePackage{ifxetex}
    check if LuaTeX is used
16 \RequirePackage{ifluatex}
    Advanced command definitions
17 \RequirePackage{xparse}
    complex length calculations
18 \RequirePackage{calc}
    colour options
19 \RequirePackage{xcolor}
    advanced table options
20 \RequirePackage{tabularx}
    links
21 \RequirePackage{hyperref}
22 \RequirePackage{url}
    remove paragraph indent
23 \RequirePackage{parskip}
    string operations
24 \RequirePackage{xstring}
    key-value parsing within document
25 \RequirePackage{xkeyval}

```

---

```

    Define colours
26 \definecolor{cvGreen}{HTML}{357F2D}
27 \definecolor{cvGreenLight}{HTML}{b8e4b3}
28 \definecolor{cvRed}{HTML}{7f2d35}
29 \definecolor{cvDark}{HTML}{2F3142}
30 \definecolor{cvAccent}{HTML}{474A65}

```

---

```

    Define new table column types with fixed width.
31 \newcolumntype{L}[1]{>\raggedright\let\newline\\%
32 \arraybackslash\hspace{0pt}}m{#1}}
33 \newcolumntype{C}[1]{>\centering\let\newline\\%
34 \arraybackslash\hspace{0pt}}m{#1}}
35 \newcolumntype{R}[1]{>\raggedleft\let\newline\\%
36 \arraybackslash\hspace{0pt}}m{#1}}

```



---

Misc and helper commands

Add comma in a cvReference entry.

```
37 \NewDocumentCommand{\cvComma}{}{,}
```

Define check if argument is empty argument order: {argument}{if empty}{if not empty}

Based on: <http://tex.stackexchange.com/questions/63223>

```
38 \ExplSyntaxOn
```

```
39 \DeclareExpandableDocumentCommand{\@IfNoValueOrEmptyTF}{%
```

```
40 {mmm}{\IfNoValueTF{#1}{#2}{
```

```
41 \tl_if_empty:nTF {#1} {#2} {#3}%
```

```
42 }
```

```
43 }
```

```
44 \ExplSyntaxOff
```

`\ifnodedefined` Check if node is defined. Based on: <https://tex.stackexchange.com/questions/37709>

```
45 \long\def\ifnodedefined#1#2#3{%
```

```
46 \@ifundefined{pgf@sh@ns@#1}{#3}{#2}%
```

```
47 }
```

---

Update global font colour

```
48 \NewDocumentCommand{\globalcolor}{m}{%
```

```
49 \color{#1}\global\let\default@color\current@color
```

```
50 }
```

```
51 \AtBeginDocument{\globalcolor{cvDark}}
```

---

TikZ

```
52 \RequirePackage{tikz}
```

```
53 \RequirePackage{graphicx}
```

```
54 \usetikzlibrary{%
```

```
55 calc,
```

```
56 positioning,
```

```
57 fit,
```

```
58 arrows.meta,
```

```
59 backgrounds,
```

```
60 matrix}
```

```
61 \tikzset{
```

```
62 interesticon/.style = {},
```

```
63 interesttext/.style = {},
```

```
64 eventdottext/.style = {},
```

```
65 invisibletimedot/.style = {},
```

```
66 timedot/.style = {},
```

```
67 contactIcon/.style={},
```

```
68 contactText/.style={},
```

```
69 headerIcon/.style={},
```

```
70 skillLevel/.style={},
```

```
71 languageText/.style={},
```

```

72 skillText/.style={},
73 progressArea/.style={},
74 progressBar/.style={},
75 sectionTitle/.style={},
76 sectionEduText/.style={%
77 eventdottext,
78 anchor=north west
79 },
80 cv@interesticon/.style = {%
81     minimum width=\cvHeaderIconWidth,
82     interesticon
83 },
84 cv@interesttext/.style = {%
85     interesttext,
86 },
87 cv@eventdottext/.style = {%
88     text width=\cvMainWidth-\cvTimeDotSep,
89     black,
90     anchor=north west,
91     eventdottext,
92 },
93 cv@invisibletimedot/.style = {%
94     circle,
95     minimum width=\cvTimeDotDiameter,
96     anchor=center,
97     invisibletimedot,
98 },
99 cv@timedot/.style = {%
100     cv@invisibletimedot,
101     draw,
102     fill,
103     black,
104     timedot,
105 },
106 cv@contactIcon/.style={%
107     minimum height=\baselineskip,
108     contactIcon,
109 },
110 cv@contactText/.style={%
111     minimum height=\baselineskip,
112     text depth=0pt,
113     contactText,
114 },
115 cv@headerIcon/.style={%
116     minimum width=\cvHeaderIconWidth,
117     anchor=center,
118     headerIcon,
119 },
120 cv@skillLevel/.style={skillLevel,},
121 cv@languageText/.style={languageText,},

```

```

122 cv@skillText/.style={skillText,},
123 cv@progressArea/.style={%
124   minimum width=\cvProgressAreaWidth,
125   minimum height=\cvProgressAreaHeight,
126   rectangle,
127   draw,
128   cvGreen,
129   progressArea
130 },
131 cv@progressBar/.style={%
132   minimum height=\cvProgressAreaHeight,
133   rectangle,
134   draw,
135   fill,
136   cvGreen,
137   anchor=west,
138   progressBar
139 },
140 cv@sectionTitle/.style={%
141   anchor=north west,
142   align=left,
143   sectionTitle,
144 },
145 cv@sectionEduText/.style={%
146   cv@eventdottext,
147   anchor=north west,
148   sectionEduText,
149 },
150 }

```

---

XeLaTeX/LuaLaTeX specific

```

151 \NewDocumentCommand{\cv@loadFonts}{}{
152   \RequirePackage{fontspec}
153   \RequirePackage{fontawesome}

   set fonts

154   \setmainfont [Numbers={Monospaced}]{\limecv@sansfont}
155   \setsansfont{\limecv@sansfont}
156   \setmonofont{\limecv@monofont}
157   \ifcv@fontPath
158     \newfontfamily{\cv@FA}[Path=\limecv@path]%
159     {FontAwesome}
160   \else
161     \newfontfamily{\cv@FA}{FontAwesome}
162   \fi

   define some missing icons

163   \ProvideDocumentCommand{\faAddressCard}{}{\cv@FA%
164     \symbol{"F2B9}}

```

```

165 \ProvideDocumentCommand{\faVcard}{-}{\cv@FA%
166   \symbol{"F2BB}}
167 \ProvideDocumentCommand{\faMicrochip}{-}{\cv@FA%
168   \symbol{"F2DB}}
future possibility: https://raw.githubusercontent.com/xdanaux/moderncv/master/moderncviconsmarvosym.sty
169 }
170 \ifxetex
171   \cv@loadFonts
172 \else
173   \ifluatex
174     \cv@loadFonts
175   \else
176     \RequirePackage{fontawesome}
177   \RenewDocumentCommand{\familydefault}{-}{\sfdefault}
178   \fi
179 \fi

```

---

XeLaTeX/LuaLaTeX specific

Removes left/right side bearing of character

Based on: <https://tex.stackexchange.com/questions/274479> <https://tex.stackexchange.com/questions/>

```

180 \ifxetex
181   \NewDocumentCommand{\kright}{m}{\leavevmode #1%
182     \kern-\XeTeXglyphbounds3 \the\XeTeXcharglyph'#1 }
183   \NewDocumentCommand{\kleft}{m}{\leavevmode %
184     \kern-\XeTeXglyphbounds1 \the\XeTeXcharglyph'#1 #1}
185 \else
186   \NewDocumentCommand{\kright}{m}{#1}
187   \NewDocumentCommand{\kleft}{m}{#1}
188 \fi

```

Extracts n-th character from a string Argument order: string - character number

```

189 \ExplSyntaxOn
190 \cs_generate_variant:Nn\__tl_item:nn {f}
191 \DeclareExpandableDocumentCommand{\extract}{mm}{%
192   \tl_item:fn{#1}{#2}%
193 }
194 \ExplSyntaxOff

```

---

Page layout

remove page numbers

```
195 %% \pagenumbering{gobble}
```

remove all page styling

```
196 \pagestyle{empty}
```

not used

```
197 \newlength\cvColSep
```

```
198 \setlength\cvColSep{1cm} % 2 times column separation!
```

not used

```
199 \newlength\cvNodeSep
200 \setlength\cvNodeSep{0.75cm}
201 \newlength\cvTimeDotDiameter
202 \setlength\cvTimeDotDiameter{3pt}
203 \newlength\cvMargin
204 \setlength\cvMargin{1cm}
205 \newlength\cvSideWidth
206 \setlength\cvSideWidth{0.3\paperwidth-\cvMargin}
207 \newlength\cvMainWidth
208 \setlength\cvMainWidth{\paperwidth-4\cvMargin-\cvSideWidth}
209 \newlength\cvTimeDotSep
210 \setlength\cvTimeDotSep{0.4cm}
211 \newlength\cvStartEndSep
212 \setlength\cvStartEndSep{0.3cm}
213 \newlength\cvItemSep
214 \setlength\cvItemSep{0.4cm}
215 \newlength\cvTableSepWidth
216 \setlength\cvTableSepWidth{0.3cm}
217 \newlength\cvCoverLetterHeight
218 \setlength\cvCoverLetterHeight{\cvSideWidth}
219 \newlength\cvCoverLetterWidth
220 \setlength\cvCoverLetterWidth{\cvMainWidth+3\cvMargin}
221 \newlength\cvPictureWidth
222 \setlength\cvPictureWidth{4cm}

progress area size definition
223 \newlength\cvProgressAreaWidth
224 \setlength\cvProgressAreaWidth{5em}
225 \newlength\cvProgressAreaHeight
226 \setlength\cvProgressAreaHeight{0.75em}
227 \newlength\cvSectionSep
228 \setlength\cvSectionSep{0.6cm}
229 \newlength\cvSectionSBSep
230 \setlength\cvSectionSBSep{4pt}

line width of horizontal line below section title
231 \newlength\cvTitleLineWidth
232 \setlength\cvTitleLineWidth{2pt}

distance from bottom of text to centre of line
233 \newlength\cvTitleLineSpacing
234 \setlength\cvTitleLineSpacing{0.1cm}

set to \cvItemSep by default (do not overwrite!)
235 \newlength\cv@projectSep
236 \setlength\cv@projectSep{0cm}

internal spacing between details of a single project
237 \newlength\cvProjectDetailsSep
238 \setlength\cvProjectDetailsSep{0.2cm}
```

```

239 \newlength\cvInterestDetailsSep
240 \setlength\cvInterestDetailsSep{4pt}
241 \newlength\cvContactItemSep
242 \setlength\cvContactItemSep{5pt}

line width of line below cover letter name
243 \newlength\cvCoverLetterLineWidth
244 \setlength\cvCoverLetterLineWidth{3pt}
245 \newlength\cvCoverLetterPositionSpacing
246 \setlength\cvCoverLetterPositionSpacing{10pt}
247 \newlength\cvSBSectionLineWidth
248 \setlength\cvSBSectionLineWidth{1pt}
249 \newlength\cvCoverLetterLineSpacing
250 \setlength\cvCoverLetterLineSpacing{0pt}
251 \newlength\cvIDNameSep
252 \setlength\cvIDNameSep{0.1cm}
253 \newlength\cvPositionSep
254 \setlength\cvPositionSep{0.5cm}
255 \newlength\cvSkillSep
256 \setlength\cvSkillSep{1ex}
257 \newlength\cvHeaderIconWidth
258 \setlength\cvHeaderIconWidth{0pt}

```

---

New styling commands

Style main section title

```

259 \NewDocumentCommand{\cvSection}{m}{\Large\textbf{#1}}

```

Typeset skill level

```

260 \newcount\my@repeat@count
261 \NewDocumentCommand{\cvSkill}{m}{%
262   \begingroup
263   \my@repeat@count=\z@
264   \@whilenum\my@repeat@count<#1\do{\faCircle\advance%
265     \my@repeat@count\@ne}%
266   \my@repeat@count=\numexpr5-\z@\relax
267   \@whilenum\my@repeat@count>#1\do{\faCircle0\advance%
268     \my@repeat@count\m@ne}%
269   \endgroup
270 }

```

Create horizontal line from edge to edge for sidebar section titles.

Based on: <https://tex.stackexchange.com/questions/65731> Alternative: <https://tex.stackexchange.com>

```

271 \NewDocumentCommand{\cvhrulefill}{}{\color{cvGreen}%
272 \leavevmode\leaders\hrule height \cvSBSectionLineWidth\hfill\kern\z@}
273 \NewDocumentCommand{\ruleline}{m}{\par\noindent\raisebox{.6ex}{%
274 \makebox[\linewidth]{\cvhrulefill\hspace{1ex}}%
275 \raisebox{-.6ex}{#1}\hspace{1ex}\cvhrulefill}}

```

Title counters

```

276 \newcounter{cv@titlePrev}

```

```

277 \setcounter{cv@titlePrev}{0}
278 \newcounter{cv@titleNext}
279 \setcounter{cv@titleNext}{1}

Draw everything associated with main section title.
280 \NewDocumentCommand{\cv@Title}{mm}{%
281 \ifnodedefined{cv@last item \the\value{cv@lastItem}}{%
282 \setlength{cvHeaderIconWidth}{\maxof{cvHeaderIconWidth}{\widthof{\Large #2}}}%
283 \protected@write\@auxout{}{\global\cvHeaderIconWidth=\the\cvHeaderIconWidth}
284 \node[%
285 below=\cvSectionSep of cv@last item %
286 \the\value{cv@lastItem}.south west,
287 cv@sectionTitle]
288 (cv@title \the\value{cv@titleNext})
289 {\begingroup\edef\y{\endgroup%
290 \cvSection\bgroup\noexpand\kleft{%
291 \extract{#1}{1}}}%
292 \y\StrGobbleLeft{#1}{1}\egroup};
293 \node[%
294 left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
295 cv@headerIcon]
296 {#2};
297 \node[
298 below=\cvSectionSep of cv@last item %
299 \the\value{cv@lastItem}.south west,
300 cv@sectionTitle]
301 (cv@title \the\value{cv@titleNext} dummy) {%
302 \phantom{\cvSection{Education}}};
303 \begin{scope}[on background layer]
304 \draw[line width=\cvTitleLineWidth,cvGreen]
305 let \p1=(cv@title \the\value{cv@titleNext} %
306 dummy.south west),
307 \p2=(current page.east) in
308 (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
309 \end{scope}
310 }{%
311 \node[cv@sectionTitle] at (0,0) (cv@title %
312 \the\value{cv@titleNext})
313 {\begingroup\edef\y{\endgroup%
314 \cvSection\bgroup\noexpand\kleft{\extract{#1}{1}}}%
315 \y\StrGobbleLeft{#1}{1}\egroup};
316 \node[%
317 left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
318 cv@headerIcon]
319 {#2};
320 \node[cv@sectionTitle] at (0,0)
321 (cv@title \the\value{cv@titleNext} dummy) {%
322 \phantom{\cvSection{Education}}};
323 \begin{scope}[on background layer]
324 \draw[line width=\cvTitleLineWidth,cvGreen]

```

```

325     let \p1=(cv@title \the\value{cv@titleNext} %
326         dummy.south west),
327         \p2=(current page.east) in
328     (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
329 \end{scope}
330 }%
331 \stepcounter{cv@titlePrev}%
332 \stepcounter{cv@titleNext}
333 }

Draw the timeline
334 \NewDocumentCommand{\cv@EndSectionDraw}{-}{
335 \draw (start) to (end.center);}

Item counters
336 \newcounter{cv@itemPrev}
337 \setcounter{cv@itemPrev}{0}
338 \newcounter{cv@itemNext}
339 \setcounter{cv@itemNext}{1}
340 \newcounter{cv@lastItem}
341 \setcounter{cv@lastItem}{1}

List a timeline entry
342 \NewDocumentCommand{\cv@definecvItem}{-}{
343 \NewDocumentCommand{\cvItem}{m}{%
344 \ifnodedefined{item \the\value{cv@itemPrev}}{%
345 \node[%
346     below=\cvItemSep of item %
347     \the\value{cv@itemPrev}.south west,
348     cv@eventdottext]
349     (item \the\value{cv@itemNext} header)
350     {\phantom{Evening}};
351 \node[%
352     below=\cvItemSep of item %
353     \the\value{cv@itemPrev}.south west,
354     cv@sectionEduText]
355     (item \the\value{cv@itemNext})
356     {##1};
357 \node[%
358     left=\cvTimeDotSep of item %
359     \the\value{cv@itemNext} header,
360     cv@timedot]
361     {};
362 }{
363 \node[%
364     below=\cvItemSep of cv@title %
365     \the\value{cv@titlePrev}.south west,
366     cv@eventdottext]
367     (item \the\value{cv@itemNext} header)
368     {\phantom{Evening}};
369 \node[

```



```

370     below=\cvItemSep of cv@title %
371     \the\value{cv@titlePrev}.south west,
372     cv@sectionEduText]
373     (item \the\value{cv@itemNext})
374     {##1};
375     \node[
376     left=\cvTimeDotSep of item %
377     \the\value{cv@itemNext} header,
378     cv@timedot]
379     (start)
380     {};
381   }
382   \node[
383   left=\cvTimeDotSep of item %
384   \the\value{cv@itemNext}.south west,
385   cv@invisibletimedot]
386   (end)
387   {};
388   \stepcounter{cv@itemPrev}
389   \stepcounter{cv@itemNext}
390 }
391 }

```

---

Language

```

392 \pgfkeys{/@cv/names/.is family,
393           /@cv/names/.unknown/.style = %
394           {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
395            .initial = #1}}

```

Set all title names to English (default):

```

396 \NewDocumentCommand{\cv@setEnglish}{}{
397   \pgfkeys{/@cv/names/profile = Profile}%
398   \pgfkeys{/@cv/names/contact = Contact}%
399   \pgfkeys{/@cv/names/languages = Languages}%
400   \pgfkeys{/@cv/names/interests = Interests}%
401   \pgfkeys{/@cv/names/professional = Professional}%
402   \pgfkeys{/@cv/names/personal = Personal}%
403   \pgfkeys{/@cv/names/projects = Projects}%
404   \pgfkeys{/@cv/names/education = Education}%
405   \pgfkeys{/@cv/names/experience = Experience}%
406   \pgfkeys{/@cv/names/references = References}%
407   \pgfkeys{/@cv/names/skills = Skills}%
408 }

```

Set all title names to Dutch:

```

409 \NewDocumentCommand{\cv@setDutch}{}{
410   \pgfkeys{/@cv/names/profile = Profiel}%
411   \pgfkeys{/@cv/names/contact = Gegevens}%
412   \pgfkeys{/@cv/names/languages = Talenkennis}%
413   \pgfkeys{/@cv/names/interests = Interesses}%
414   \pgfkeys{/@cv/names/professional = Professioneel}%

```

```

415 \pgfkeys{/@cv/names/personal = Persoonlijk}%
416 \pgfkeys{/@cv/names/projects = Projecten}%
417 \pgfkeys{/@cv/names/education = Opleiding}%
418 \pgfkeys{/@cv/names/experience = Werkervaring}%
419 \pgfkeys{/@cv/names/references = Referenties}%
420 \pgfkeys{/@cv/names/skills = Vaardigheden}%
421 }

```

Set the actual language to English. This can be overwritten by the user in the preamble

Define the command to change the language

```

422 \ExplSyntaxOn
423 \NewDocumentCommand{\cvSetLanguage}{m}{
424   \str_case:nnF {#1}
425   {
426     {dutch} {\cv@setDutch}
427     {english} {\cv@setEnglish}
428   }
429   {\ClassError{limecv}{Unknown option ‘#1’ for cvLanguage %
430     macro.}{Only ‘english’ and ‘dutch’ are valid options %
431     for this macro.}}
432 }
433 \ExplSyntaxOff
434 \cvSetLanguage{english}
435 % \cvSetLanguage{english}

```

---

Commands specific for cvSkills section  
information in temporary command yes/no

```

436 \newif\ifcv@firstskill
temporary command that stores skill information
437 \NewDocumentCommand{\cv@skillsTable}{}{}
typeset two skills
438 \NewDocumentCommand{\cvSkillTwo}{mmmm}{%
439   \ifcv@firstskill
440     \g@addto@macro\cv@skillsTable{\cvSkill{#1} %
441       & #2 & \cvSkill{#3} & #4}
442     \cv@firstskillfalse
443   \else
444     \g@addto@macro\cv@skillsTable{\[\cvSkillSep] \cvSkill{#1} %
445       & #2 & \cvSkill{#3} & #4}
446   \fi
447 }
typeset one skill
448 \NewDocumentCommand{\cvSkillOne}{mm}{%
449   \ifcv@firstskill
450     \g@addto@macro\cv@skillsTable{\cvSkill{#1} & #2}
451     \cv@firstskillfalse

```

```

452 \else
453   \g@addto@macro\cv@skillsTable{\[\cvSkillSep] \cvSkill{#1} & #2}
454 \fi
455 }

```

---

cvMainContent environments

```

456 \NewDocumentEnvironment{cvMainContent}{}{
457   \begin{tikzpicture}[
458     every node/.style={
459       inner sep=0pt,
460       outer sep=0pt},
461     remember picture,
462     overlay,
463     shift={($(\current page.north west)+
464       (\cvSideWidth+3\cvMargin+\cvTimeDotSep,-\cvMargin)$)}]
465 }{
466   \end{tikzpicture}
467 }
468 \NewDocumentEnvironment{cvMainContent*}{}{
469   \stepcounter{titlePrev}
470   \stepcounter{titleNext}
471   \begin{tikzpicture}[
472     every node/.style={
473       inner sep=0pt,
474       outer sep=0pt},
475     remember picture,
476     overlay,
477     shift={($(\current page.north west)+
478       (\cvMargin+\cvTimeDotSep,-\cvMargin)$)}]
479 }{
480   \end{tikzpicture}}
481 }

```

---

cvEducation environment

```

482 \NewDocumentEnvironment{cvEducation}{}{
483   \cv@Title{\pgfkeysvalueof{/@cv/names/education}}{\faGraduationCap}
insures uniqueness
484   \stepcounter{cv@itemPrev}
485   \stepcounter{cv@itemNext}
486   \cv@definecvItem
487 }{
488   \cv@EndSectionDraw
489   \stepcounter{cv@lastItem}
490   \draw (item \the\value{cv@itemPrev}.south west)
491     node (cv@last item \the\value{cv@lastItem}) {};
492 }

```

---

cvExperience environment

```
493 \NewDocumentEnvironment{cvExperience}{}{%
494   \cv@Title{\pgfkeysvalueof{/@cv/names/experience}}{\faBriefcase}
insures uniqueness
495   \stepcounter{cv@itemPrev}
496   \stepcounter{cv@itemNext}
497   \cv@definecvItem
498 }{%
499   \cv@EndSectionDraw
500   \stepcounter{cv@lastItem}
501   \draw (item \the\value{cv@itemPrev}.south west)
502     node (cv@last item \the\value{cv@lastItem}) {};
503 }
```

---

cvSkills environment

```
504 \NewDocumentEnvironment{cvSkills}{}{%
505   \cv@Title{\pgfkeysvalueof{/@cv/names/skills}}{\faStar}
506   \global\cv@firstskilltrue
507 }{%
508   \node[
509     below=\cvSectionSep of cv@title \the\value{cv@titlePrev}%
510     .south west,
511     anchor=north west] (skills) %
512     {\begin{tabular}{@{}l@{\hskip\cvColSep}l@{}}%
513       \cv@skillsTable
514     \end{tabular}};
515   \stepcounter{cv@lastItem}
516   \draw (skills.south west) node %
517     (cv@last item \the\value{cv@lastItem}) {};
518 }
```

---

cvReferences environment

```
519 \NewDocumentEnvironment{cvReferences}{}{%
520   \cv@Title{\pgfkeysvalueof{/@cv/names/references}}{\faLink}
521   \node[
522     below=\cvSectionSep of cv@title \the\value{cv@titlePrev}.%
523     south west,
524     anchor=north west,
525     ] (cv@References) \bgroup %
526 }{%
527   \egroup;
528   \stepcounter{cv@lastItem}
529   \draw (cv@References.south west) node %
530     (cv@last item \the\value{cv@lastItem}) {};
531 }
```

### Key-value parsing structure

```
532 \pgfkeys{/@cv/references/.is family,
533         /@cv/references/.unknown/.style = %
534         {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
535         .initial = #1}}
536 \newif\ifcv@refName
537 \pgfkeys{/@cv/references/name/.is if=cv@refName}
538 \pgfkeys{/@cv/references/name=false}
539 \newif\ifcv@refPosition
540 \pgfkeys{/@cv/references/position/.is if=cv@refPosition}
541 \pgfkeys{/@cv/references/position=false}
542 \newif\ifcv@refCompany
543 \pgfkeys{/@cv/references/company/.is if=cv@refCompany}
544 \pgfkeys{/@cv/references/copmany=false}
545 \newif\ifcv@refAddressLineA
546 \pgfkeys{/@cv/references/address line 1/.is if=%
547   cv@refAddressLineA}
548 \pgfkeys{/@cv/references/address line 1=false}
549   \newif\ifcv@refAddressLineB
550 \pgfkeys{/@cv/references/address line 2/.is if=%
551   cv@refAddressLineB}
552 \pgfkeys{/@cv/references/address line 2=false}
553 \newif\ifcv@refAddressLineC
554 \pgfkeys{/@cv/references/address line 3/.is if=%
555   cv@refAddressLineC}
556 \pgfkeys{/@cv/references/address line 3=false}
557 \newif\ifcv@refWorkPhone
558 \pgfkeys{/@cv/references/work phone/.is if=%
559   cv@refWorkPhone}
560 \pgfkeys{/@cv/references/work phone=false}
561 \newif\ifcv@refMobilePhone
562 \pgfkeys{/@cv/references/mobile phone/.is if=%
563   cv@refMobilePhone}
564 \pgfkeys{/@cv/references/mobile phone=false}
565 \newif\ifcv@refStored
566 \pgfkeys{/@cv/references/value stored/.is if=%
567   cv@refStored}
568 \pgfkeys{/@cv/references/value stored=false}
    keys
569 \define@key{cvAddReferenceA}{name}{%
570   \global\def\cv@refAName{#1}%
571   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/name = true}}}
572 \define@key{cvAddReferenceA}{company}{%
573   \global\def\cv@refACompany{#1}%
574   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/company = true}}}
575 \define@key{cvAddReferenceA}{position}{%
576   \global\def\cv@refAPosition{#1}%
577   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/position = true}}}
```

```

578 \define@key{cvAddReferenceA}{address line 1}{%
579   \global\def\cv@refAAddressLineA{#1}%
580   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 1 = true}}}
581 \define@key{cvAddReferenceA}{address line 2}{%
582   \global\def\cv@refAAddressLineB{#1}%
583   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 2 = true}}}
584 \define@key{cvAddReferenceA}{address line 3}{%
585   \global\def\cv@refAAddressLineC{#1}%
586   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 3 = true}}}
587 \define@key{cvAddReferenceA}{phone work}{%
588   \global\def\cv@refAPhoneWork{#1}%
589   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/phone work = true}}}
590 \define@key{cvAddReferenceA}{mobile phone}{%
591   \global\def\cv@refAMobilePhone{#1}%
592   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/mobile phone = true}}}
593 \define@key{cvAddReferenceB}{name}{%
594   \global\def\cv@refBName{#1}%
595   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/name = true}}}
596 \define@key{cvAddReferenceB}{company}{%
597   \global\def\cv@refBCompany{#1}%
598   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/company = true}}}
599 \define@key{cvAddReferenceB}{position}{%
600   \global\def\cv@refBPosition{#1}%
601   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/position = true}}}
602 \define@key{cvAddReferenceB}{address line 1}{%
603   \global\def\cv@refBAddressLineA{#1}%
604   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 1 = true}}}
605 \define@key{cvAddReferenceB}{address line 2}{%
606   \global\def\cv@refBAddressLineB{#1}%
607   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 2 = true}}}
608 \define@key{cvAddReferenceB}{address line 3}{%
609   \global\def\cv@refBAddressLineC{#1}%
610   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/address line 3 = true}}}
611 \define@key{cvAddReferenceB}{phone work}{%
612   \global\def\cv@refBPhoneWork{#1}%
613   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/phone work = true}}}
614 \define@key{cvAddReferenceB}{mobile phone}{%
615   \global\def\cv@refBMobilePhone{#1}%
616   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/cv/references/mobile phone = true}}}
617 \NewDocumentCommand{\cvAddReference}{sm}{%
618   \IfBooleanTF{#1}{%
619     \setkeys{cvAddReferenceA}{name=,company=,
620       position=,address line 1=,address line 2=,
621       address line 3=,phone work=,mobile phone=#2}
622     \pgfkeys{/cv/references/name = true}%

```

```

623 }{%
624   \setkeys{cvAddReferenceB}{name=,company=,
625     position=,address line 1=,address line 2=,
626     address line 3=,phone work=,mobile phone=#2}
627   \ifcv@refStored%
628     \begin{tabular}{@{}L{0.5\cvMainWidth-0.5\cvTimeDotSep%
629       -0.5\cvTableSepWidth}@{\hskip \cvTableSepWidth}%
630       L{0.5\cvMainWidth-0.5\cvTimeDotSep%
631         -0.5\cvTableSepWidth}@{}}%
632       \ifcv@refName           \cv@refAName           & \cv@refBName           \fi %
633       \ifcv@refCompany        \ \ \cv@refACompany        & \cv@refBCompany        \fi %
634       \ifcv@refPosition        \ \ \cv@refAPosition        & \cv@refBPosition        \fi %
635       \ifcv@refAddressLineA    \ \ \cv@refAAddressLineA    & \cv@refBAddressLineA    \fi %
636       \ifcv@refAddressLineB    \ \ \cv@refAAddressLineB    & \cv@refBAddressLineB    \fi %
637       \ifcv@refAddressLineC    \ \ \cv@refAAddressLineC    & \cv@refBAddressLineC    \fi %
638       \ifcv@refWorkPhone       \ \ \cv@refAPhoneWork       & \cv@refBPhoneWork       \fi %
639       \ifcv@refMobilePhone     \ \ \cv@refAMobilePhone     & \cv@refBMobilePhone     \fi %
640     \end{tabular}%
641     \pgfkeys{/@cv/references/value stored = false}%
642   \else%
643     \begin{tabular}{@{}L{0.5\cvMainWidth%
644       -0.5\cvTimeDotSep}@{}}%
645       \ifcv@refName           \cv@refBName           \fi %
646       \ifcv@refCompany        \ \ \cv@refBCompany        \fi %
647       \ifcv@refPosition        \ \ \cv@refBPosition        \fi %
648       \ifcv@refAddressLineA    \ \ \cv@refBAddressLineA    \fi %
649       \ifcv@refAddressLineB    \ \ \cv@refBAddressLineB    \fi %
650       \ifcv@refAddressLineC    \ \ \cv@refBAddressLineC    \fi %
651       \ifcv@refWorkPhone       \ \ \cv@refBPhoneWork       \fi %
652       \ifcv@refMobilePhone     \ \ \cv@refBMobilePhone     \fi %
653     \end{tabular}%
654   \fi%
655 }%
656 }

```

---

#### cvSidebar environment

```

657 \NewDocumentEnvironment{cvSidebar}{}{%
658   \vspace*{\fill}
659   \vspace*{-0.5\cvMargin}
660   \begin{tikzpicture}[remember picture,overlay]
661     \fill[cvGreenLight] (current page.north west) rectangle %
662       ++(\cvSideWidth+2\cvMargin,-\paperheight);
663   \end{tikzpicture}%
664   \begin{minipage}{\cvSideWidth}
665     \begin{center}
666   }{%
667     \end{center}
668   \end{minipage}
669   \vspace*{\fill}

```

```

670 }
671 \NewDocumentEnvironment{cvSidear*}{}{%
672   \vspace*{\fill}
673   \vspace*{-0.5\cvMargin}
674   \begin{tikzpicture}[remember picture,overlay]
675     \fill[cvGreenLight] (current page.north east) rectangle %
676       ++(-\cvSideWidth-2\cvMargin,-\paperheight);
677   \end{tikzpicture}%
678   \begin{minipage}{\cvSideWidth}
679     \begin{center}
680 }{%
681   \end{center}
682 \end{minipage}
683 \vspace*{\fill}
684 }

```

---

cvProfile environment

```

685 \NewDocumentEnvironment{cvProfile}{}{%
686   \vspace{\cvSectionSBSep}
687   \ruleline{\pgfkeysvalueof{/@cv/names/profile}}
688 }{%
689 }

```

---

cvContact environment

```

690 \NewDocumentCommand{\cv@ContactTemplate}{mm}{
691   \NewDocumentCommand{#1}{m}{
692     \ifcv@contactfirst \ \else %
693       \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
694     \pgfmatrixnextcell \node[cv@contactText]{##1};
695   }
696 }
697 \NewDocumentCommand{\cv@ContactTemplateLink}{mm}{
698   \NewDocumentCommand{#1}{mm}{
699     \ifcv@contactfirst \ \else %
700       \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
701       \pgfmatrixnextcell \node[cv@contactText]{%
702         \@IfNoValueOrEmptyTF{##1}{##2}{\href{##1}{##2}}};
703   }
704 }
705 \newif\ifcv@contactfirst
706 \NewDocumentEnvironment{cvContact}{}{%
707   \vspace{\cvSectionSBSep}
708   \ruleline{\pgfkeysvalueof{/@cv/names/contact}}%
709   \vspace{\cvSectionSBSep}
710
711   \global\cv@contactfirstfalse
712   \cv@ContactTemplate{\cvContactAddress}{\faMapMarker}
713   \cv@ContactTemplate{\cvContactPhone}{\faPhone}

```



```

714
715 \cv@ContactTemplateLink{\cvContactEmail}{\faEnvelope}
716 \cv@ContactTemplateLink{\cvContactWebsite}{\faGlobe}
717 \cv@ContactTemplateLink{\cvContactGithub}{\faGithub}
718 \cv@ContactTemplateLink{\cvContactLinkedin}{\faLinkedinSquare}
719 \cv@ContactTemplateLink{\cvContactTwitter}{\faTwitter}
720 \cv@ContactTemplateLink{\cvContactKeybase}{\faKey}
721 \begin{tikzpicture}[%
722     every node/.style={inner sep=0pt, outer sep=0pt}]
723     \matrix [
724         column 1/.style={anchor=center},
725         column 2/.style={anchor=west,align=left},
726         column sep=\cvContactItemSep,
727         row sep=\cvContactItemSep,
728         inner sep=0pt,
729         outer sep=0pt] (contact) \bgroup
730 }{%
731     \\ \egroup; % \ required, does not compile otherwise
732     \end{tikzpicture}%
733 }

```

---

cvInterests environment

```

734 \newif\ifcv@interestLong
735 \cv@interestLongtrue
736 \newcounter{cv@cvInterestCounter}
737 \setcounter{cv@cvInterestCounter}{1}
738 \newcounter{cv@cvInterestCounterPrev}
739 \setcounter{cv@cvInterestCounterPrev}{0}
740 \newif\ifcv@interestContent
741 \cv@interestContentfalse
742 \NewDocumentCommand{\cv@TypesetTableRows}{}{}
743 \newif\ifcv@interesttikzopen
744 \cv@interesttikzopenfalse
745 \NewDocumentCommand{\cv@interestClose}{}{}
746 \ifcv@interestLong
747     \ifcv@interesttikzopen
748         \end{tikzpicture}
749         \global\cv@interesttikzopenfalse
750     \fi
751 \else
752     \ifcv@interestContent
753         \begin{tabular}{@{}c@{}}
754             \cv@TypesetTableRows
755         \end{tabular}
756     \fi
757 \fi
758 }
759 \NewDocumentCommand{\cv@interestOpen}{}{}
760 \ifcv@interestLong

```

```

761 \ifcv@interesttikzopen
762 \else
763 \cv@interesttikzopentruue
764 \begin{tikzpicture}[%
765     every node/.style={inner sep=0cm,outer sep=0cm}]
766 \fi
767 \else
768 \global\def\cv@TypesetTableRows{}
769 \global\cv@interestContentfalse
770 \fi
771 }
772 \NewDocumentCommand{\cv@definecv@interestSection}{-}{
773 \NewDocumentCommand{\cv@interestSection}{m}{%
774 \cv@interestClose\
775 \ifcv@interestContent
776 \vspace*{2\cvSectionSBSep}
777 \fi
778 {\color{cvGreen}---} ##1 {\color{cvGreen}---}\
779 \vspace*{\cvSectionSBSep}
780 \cv@interestOpen
781 }
782 }
783 \NewDocumentCommand{\cv@definecvInterestLong}{-}{
784 \NewDocumentCommand{\cvInterest}{mm}{%
785 \ifcv@interestContent %
786 \node[
787     below=\cvItemSep of cv@interest text \the\value{cv@cvInterestCounterPrev},
788     cv@interesticon]
789     (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
790 \node[
791     below=\cvInterestDetailsSep of cv@interest icon \the\value{cv@cvInterestCounter},
792     cv@interesttext]
793     (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
794 \else
795 \cv@interestOpen
796 \node[cv@interesticon] (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
797 \node[
798     below=\cvInterestDetailsSep of cv@interest icon \the\value{cv@cvInterestCounter},
799     cv@interesttext]
800     (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
801 \fi
802 \stepcounter{cv@cvInterestCounter}
803 \stepcounter{cv@cvInterestCounterPrev}
804 \global\cv@interestContenttrue
805 }
806 }
807 \NewDocumentCommand{\cv@definecvInterestShort}{-}{
808 %\def\Z{\vphantom{\parbox[c]{1cm}{\Huge Something Long}}}

```

```

809 \NewDocumentCommand{\cvInterest}{mm}{%
  parse optional argument if present
810   \g@addto@macro\cv@TypesetTableRows{##1}%
811   \g@addto@macro\cv@TypesetTableRows{&}%
812   \g@addto@macro\cv@TypesetTableRows{##2}%
813   \g@addto@macro\cv@TypesetTableRows{\[\cvInterestDetailsSep]}%
814   \global\cv@interestContenttrue
815 }
816 }
817 \ExplSyntaxOn
818 \NewDocumentEnvironment{cvInterests}{o}{%
  set defaults
819   \cv@interestLongtrue
  parse optional arguments
820
821   \@IfNoValueOrEmptyTF{#1}{}{%
822     \str_case:nnF {#1}{
823       {long}{\cv@interestLongtrue}
824       {short}{\cv@interestLongfalse}
825     }{\ClassError{limecv}{Unkown option ‘#1’ for cvInterests %
826       environment.}{Only ‘long’ and ‘short’ are valid options %
827       for this environment.}}
828   }
829
830   \cv@definecv@interestSection
  define new commands
831   \NewDocumentCommand{\cvInterestsPersonal}{}{%
832     \cv@interestSection{\faUser\ \emph{Personal}}}
833   \NewDocumentCommand{\cvInterestsProfessional}{}{%
834     \cv@interestSection{\faBriefcase\ \emph{Professional}}}
835   \ifcv@interestLong
836     \cv@definecvInterestLong
837   \else
838     \cv@definecvInterestShort
839   \fi
840   %%%
841   \vspace{\cvSectionSBSep}
842   \ruleline{\pgfkeysvalueof{/@cv/names/interests}}%
843   \vspace{\cvSectionSBSep}
844 }{%
845   \cv@interestClose
846 }
847 \ExplSyntaxOff

```

---

cvProject environment

```

848 \newif\ifcv@projectImage
849 \cv@projectImagefalse
850 \newif\ifcv@projectLink
851 \cv@projectLinkfalse
852 \newif\ifcv@projectWidth
853 \cv@projectWidthfalse
854 \newif\ifcv@projectHeight
855 \cv@projectHeightfalse
856 \newcounter{cv@projectCurrent}
857 \setcounter{cv@projectCurrent}{1}
858 \newcounter{cv@projectPrevious}
859 \setcounter{cv@projectPrevious}{0}

860 \define@key{cv@Project}{image}{%
861   \global\def\cv@projectImage{#1}%
862   \cv@projectImagetrue}

863 \define@key{cv@Project}{link}{%
864   \global\def\cv@projectLink{#1}%
865   \cv@projectLinktrue}

866 \define@key{cv@Project}{width}{%
867   \global\def\cv@projectWidth{#1}%
868   \cv@projectWidthtrue}

869 \define@key{cv@Project}{height}{%
870   \global\def\cv@projectHeight{#1}%
871   \cv@projectHeighttrue}
872 \NewDocumentCommand{\cv@definecvProject}{-}{
873   \NewDocumentCommand{\cvProject}{-}{
      default settings
      874     \cv@projectImagefalse
      875     \cv@projectLinkfalse
      876     \cv@projectWidthfalse
      877     \cv@projectHeightfalse

      parse optional arguments
      878     \@IfNoValueOrEmptyTF{##1}{-}{\setkeys{cv@Project}{##1}}
      879     \ifnodedefined{project \the\value{cv@projectPrevious} %
      880       description}{-}{%
      881       \node (project \the\value{cv@projectPrevious} %
      882         description) {};
      883     }

      draw image
      884     \ifcv@projectImage
      885       \ifcv@projectWidth
      886         \node[below=\cv@projectSep of project %
      887           \the\value{cv@projectPrevious} description]
      888           (project \the\value{cv@projectCurrent} image)
      889           {\includegraphics [width=\cv@projectWidth]{\cv@projectImage}};
      890       \else

```

```

891     \ifcv@projectHeight
892         \node[below=\cv@projectSep of project %
893             \the\value{cv@projectPrevious} description]
894             (project \the\value{cv@projectCurrent} image)
895             {\includegraphics[height=\cv@projectHeight]{\cv@projectImage}};
896     \else
897         \ClassError{limecv}{No width or height specified, %
898             but image specified.}{Always specify the height or %
899             width if an image is set.}
900     \fi
901 \fi
    draw title (and add href if specified)
902     \node[%
903         text width=\cvSideWidth,
904         align=center,
905         below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} image]
906         (project \the\value{cv@projectCurrent} title) {%
907     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
908 \else
    draw title (and add href if specified)
909     \node[below=\cv@projectSep of project %
910         \the\value{cv@projectPrevious} description,
911         text width=\cvSideWidth,
912         align=center]
913         (project \the\value{cv@projectCurrent} title) {%
914     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
915 \fi
916 \node[
917     below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} title,
918     text width=\cvSideWidth,
919     align=center]
920     (project \the\value{cv@projectCurrent} description) {##3};
921
922 \setlength\cv@projectSep\cvItemSep
    increase counter value
923     \stepcounter{cv@projectCurrent}
924     \stepcounter{cv@projectPrevious}
925 }
926 }

927 \NewDocumentEnvironment{cvProjects}{}{%
928     \vspace{\cvSectionSBSep}
929     \ruleline{\pgfkeysvalueof{/@cv/names/projects}}%
930     \vspace{\cvSectionSBSep}
931     \cv@definecvProject
932     \begin{tikzpicture}[every node/.style={inner sep=0cm,outer sep=0cm}]
933     {\end{tikzpicture}
934     \end{tikzpicture}
935 }

```

---

cvLanguages environment

```
936 \newcounter{cv@languages}
937 \setcounter{cv@languages}{1}
938 \pgfkeys{/@cv/languages/.is family,
939 /@cv/languages/.unknown/.style = {%
940   \pgfkeyscurrentpath/\pgfkeyscurrentname/.initial = #1}}
941 \NewDocumentEnvironment{cvLanguages}{}{%
942   \NewDocumentCommand{\cvLanguage}{mm}{%
943     {\globaldefs=1\relax\pgfkeys{%
944       /@cv/languages/lang\the\value{cv@languages} = ##2}}
945     \node[cv@languageText]{##1}; \pgfmatrixnextcell %
946     \node[cv@progressArea] (cv@language \the\value{cv@languages}) {}; \\\
947     \stepcounter{cv@languages}
948   }%
949   \vspace{\cvSectionSBSep}
950   \ruleline{\pgfkeysvalueof{/@cv/names/languages}}%
951   \vspace{\cvSectionSBSep}
952   \begin{tikzpicture}[%
953     every node/.style={text depth=0pt,inner sep=0pt,outer sep=0pt}]
954   \matrix [
955     column 1/.style={anchor=east},
956     column sep=1.5\cvSectionSBSep,
957     row sep=1.5\cvSectionSBSep,
958     column 2/.style={anchor=west,align=left}
959   ] (contact) \bgroup
960 }{%
961   \\\egroup;
962   \newcounter{cv@languagelevel}
963   \setcounter{cv@languagelevel}{1}
964   \loop\ifnum\value{cv@languagelevel}<\value{cv@languages}
965     \draw (cv@language \the\value{cv@languagelevel}.west) %
966     node[%
967       cv@progressBar,
968       minimum width=\pgfkeysvalueof{%
969         /@cv/languages/lang\the\value{cv@languagelevel}}em]%
970     {};
971     \stepcounter{cv@languagelevel}
972   \repeat
973   \end{tikzpicture}
974 }
```

---

cvCoverLetter environment

cover letter keys

```
975 \define@key{cvCoverLetter}{name}{%
```

```
\cv@coverletterName
```

```
976 \global\def\cv@coverletterName{#1}}
```

```

977 \define@key{cvCoverLetter}{company}{%
\cv@coverletterCompany
978 \global\def\cv@coverletterCompany{#1}}
979 \define@key{cvCoverLetter}{position}{%
\cv@coverletterPosition
980 \global\def\cv@coverletterPosition{#1}}
981 \define@key{cvCoverLetter}{address line 1}{%
\cv@coverletterAddressLineA
982 \global\def\cv@coverletterAddressLineA{#1}}
983 \define@key{cvCoverLetter}{address line 2}{%
\cv@coverletterAddressLineB
984 \global\def\cv@coverletterAddressLineB{#1}}
985 \define@key{cvCoverLetter}{address line 3}{%
\cv@coverletterAddressLineC
986 \global\def\cv@coverletterAddressLineC{#1}}
987 \NewDocumentCommand{\cv@definecvBeneficiary}{-}{
988 \NewDocumentCommand{cvBeneficiary}{m}{%
989 \setkeys{cvCoverLetter}{name={},company={},
990 position={},address line 1={},address line 2={},
991 address line 3={},##1}
992 \begin{tabular}{@{}l}
993 \@IfNoValueOrEmptyTF{%
994 \cv@coverletterName}{-}{%
995 \MakeUppercase{\cv@coverletterName}} %
996 \@IfNoValueOrEmptyTF{%
997 \cv@coverletterCompany}{-}{\ %
998 \cv@coverletterCompany} %
999 \@IfNoValueOrEmptyTF{%
1000 \cv@coverletterPosition}{-}{\ %
1001 \cv@coverletterPosition} %
1002 \@IfNoValueOrEmptyTF{%
1003 \cv@coverletterAddressLineA}{-}{\ %
1004 \cv@coverletterAddressLineA} %
1005 \@IfNoValueOrEmptyTF{%
1006 \cv@coverletterAddressLineB}{-}{\ %
1007 \cv@coverletterAddressLineB} %
1008 \@IfNoValueOrEmptyTF{%
1009 \cv@coverletterAddressLineC}{-}{\ %
1010 \cv@coverletterAddressLineC} %
1011 \end{tabular}}%
1012 \vspace{\cvMargin}
1013 }
1014 }

```

```

1015 \NewDocumentCommand{\cv@definecvFullName}{-}{
1016   \NewDocumentCommand{\cvFullName}{-}{%
1017     \pgfkeysvalueof{/@cv/info/first name} %
1018     \pgfkeysvalueof{/@cv/info/last name}
1019   }
1020 }
1021 \NewDocumentEnvironment{cvCoverLetter}{-}{%
1022   \newgeometry{textwidth=\cvCoverLetterWidth,noheadfoot}
1023   \begin{tikzpicture}[%
1024     remember picture,
1025     overlay,
1026     every node/.style={inner sep=0cm,outer sep=0cm}]
    draw green background
1027   \begin{scope}[on background layer]
1028     \fill[cvGreenLight] (current page.north west) rectangle %
1029       ++(\paperwidth,-\cvCoverLetterHeight);
1030   \end{scope}
1031   \draw (current page.north east) %
1032     ++(-0.5\paperwidth+0.5\cvCoverLetterWidth,
1033       -\cvCoverLetterHeight/2) node (cv@h7) {};
1034   \node[anchor=east] at (cv@h7) (cv cover letter name){%
1035     \fontsize{50}{60}\selectfont
    trick to expand argument such that 'kleft' sees an alphabetic constant (i.e. a single
    letter)
1036     \begingroup\edef\y{\endgroup%
1037       \noexpand\kleft{\cv@FirstNameLetter}}%
1038     \y
1039     \StrGobbleLeft{\pgfkeysvalueof{/@cv/info/first name}}{1}\space
1040     \StrGobbleRight{\pgfkeysvalueof{/@cv/info/last name}}{1}
    same trick trick to expand argument such that 'kleft' sees an alphabetic constant
    (i.e. a single letter)
1041     \begingroup\edef\y{\endgroup%
1042       \noexpand\kright{\cv@LastNameLetter}}%
1043     \y
1044   };
1045   \node[%
1046     align=right,
1047     cvAccent,
1048     below=\cvCoverLetterPositionSpacing of cv cover letter name.south east,
1049     anchor=north east]{%
1050     \StrGobbleRight{\pgfkeysvalueof{/@cv/info/position}}{1}
1051   \begingroup\edef\y{\endgroup%
1052     \noexpand\kright{\cv@PositionLetter}}%
1053   \y};
1054
1055   \begin{scope}[on background layer]
1056     \draw[line width=\cvCoverLetterLineWidth,cvGreen]
1057       ($ (cv cover letter name.south west)+(0,-\cvCoverLetterLineSpacing)$) to

```



```

1058         ($\cv cover letter name.south east)+(0,-\cvCoverLetterLineSpacing$);
1059     \end{scope}
1060 \end{tikzpicture}
1061 \vspace{\dimexpr\cvCoverLetterHeight-1in-\topmargin\relax}
1062
1063 \today
1064
1065 \vspace{\baselineskip}
1066 \cv@definecvBeneficiary
1067 \cv@definecvFullName
1068 }{%
1069 \restoregeometry
1070 }

```

---

cvID macro

```

1071 \pgfkeys{/@cv/info/.is family,
1072         /@cv/info/.unknown/.style = %
1073         {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
1074         .initial = #1}}

```

first name, second name, picture, position

```

1075 \NewDocumentCommand{\cvID}{\mmmm}{
1076   \@IfNoValueOrEmptyTF{#3}{-}{
1077     \begin{tikzpicture}
1078       \node[
1079         circle,
1080         text=white,
1081         minimum size=\cvPictureWidth,
1082         path picture={
1083           \node at (path picture bounding box.center){
1084             \includegraphics[width=\cvPictureWidth]{#3}
1085           };
1086         }]
1087         {};
1088     \end{tikzpicture}}\
1089   }
1090   {\LARGE
1091   \vspace{\cvIDNameSep}
1092   #1
1093   \vspace{\cvIDNameSep}
1094   #2}
1095
1096   \vspace{\cvPositionSep}
1097
1098   \@IfNoValueOrEmptyTF{#4}{-}{\color{cvAccent} #4}
1099
1100   \vspace{\cvPositionSep}
1101   {\globaldefs=1\relax\pgfkeys{/@cv/info/first name = %
1102     #1}\def\cv@FirstNameLetter{\extract{#1}{1}}}

```

```
1103 {\globaldefs=1\relax\pgfkeys{/@cv/info/last name = %  
1104 #2}\def\cv@LastNameLetter{\extract{#2}{-1}}}  
1105 {\globaldefs=1\relax\pgfkeys{/@cv/info/position = %  
1106 #4}\def\cv@PositionLetter{\extract{#4}{-1}}}  
1107 }
```