

# The limecv document class\*

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## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Requirements</b>	<b>2</b>
<b>3</b>	<b>General Macros and Document Class Options</b>	<b>3</b>
<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>10</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>14</b>
9.1	Licence . . . . .	14
9.2	Intro . . . . .	14
9.3	Package Info and Required Packages . . . . .	14
9.4	Colour Definitions . . . . .	16
9.5	New Column Types . . . . .	16
9.6	Helper commands . . . . .	16
9.7	Global Font Colour . . . . .	17
9.8	TikZ Style Definitions . . . . .	17
9.9	XeLaTeX/LuaLaTeX Specific Code . . . . .	19

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\*This document corresponds to limecv v0.1.13, dated 2021/12/01.

# 1 Introduction

This document class is designed to facilitate easy development of curriculum vitae (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.

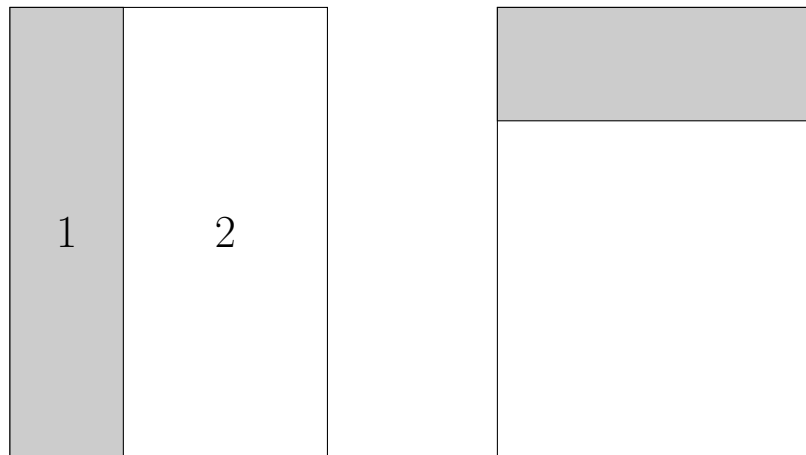


Figure 1: Illustration of a basic template. The image to the left depicts the actual CV: sidebar to the left (1) with main content on the right (2). The image to the right depicts the cover letter design.

# 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.

**FontAwesome5**<sup>2</sup> is the icon font used. This font should also be available and

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

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

cannot be replaced by another icon font. Most modern TeX distributions ship with this font since they provide the `fontawesome5` package.

### 3 General Macros and Document Class Options

`\cvSetLanguage` The default language is English and can be modified using the `\cvSetLanguage` macro. Possible arguments are: `chinese`, `dutch`, `english`, `french`, `german`, `italian`, and `spanish`. If your language is not supported or you want to override a word in any supported language, you can modify the keys that hold the different section titles. These 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\'etences}
```

### 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;

<code>\cvContactEmail</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactEmail{&lt;link&gt;}{&lt;email address&gt;}</code> typesets an email address. The link variable should be a something like <code>mailto:john@doe.tld</code>. 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.</li> </ul>
<code>\cvContactPhone</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactPhone{&lt;mobile phone number&gt;}</code> typesets a mobile phone number.</li> </ul>
<code>\cvContactWebsite</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactWebsite{&lt;link&gt;}{&lt;website URL&gt;}</code> typesets a website. The link variable should be a something like <code>https://johndoe.tld</code>. 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.</li> </ul>
<code>\cvContactGithub</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactGithub{&lt;link&gt;}{&lt;username&gt;}</code> typesets a GitHub profile. The link variable should be a valid link to the GitHub profile (for example <code>https://github.com/johndoe</code>). 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.</li> </ul>
<code>\cvContactGitlab</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactGitlab{&lt;link&gt;}{&lt;username&gt;}</code> typesets a GitLab profile. Same considerations apply as in the <code>\cvContactGithub</code> command.</li> </ul>
<code>\cvContactLinkedin</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactLinkedin{&lt;link&gt;}{&lt;username&gt;}</code> typesets a LinkedIn profile. The link variable should be a link to your LinkedIn profile homepage (for example <code>https://www.linkedin.com/in/johndoe/</code>). 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.</li> </ul>
<code>\cvContactTwitter</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactTwitter{&lt;link&gt;}{&lt;username&gt;}</code> typesets a Twitter profile. The link variable should direct to your Twitter profile. An example link looks as follows: <code>https://twitter.com/johndoe</code>. 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. If the link argument is left empty, no link will be created.</li> </ul>
<code>\cvContactKeybase</code>	<ul style="list-style-type: none"> <li>• <code>\cvContactKeybase{&lt;link&gt;}{&lt;fingerprint&gt;}</code> typesets a Keybase fingerprint (and account). The link variable should be a link to the KeyBase profile (e.g. <code>https://keybase.io/johndoe</code>). 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.</li> </ul>

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{\faGears}{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** 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
11    Biotechnology\\
12    University, City. September 2012 -- June 2015\\
13    Acquisition of insight into and knowledge of
14    possibilities for application in
15    the area of biochemistry and biotechnology, specific
16    with applications in
17    biomedical application and due problem-solving
18    reasoning skills.}
19 \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
18     science.}}
19 \cvItem{\cvEducation{Master of Science in Biochemistry
20   and Biotechnology}%
21   {University, City. September 2012 -- June
22     2015}%
23   {Acquisition of insight into and knowledge

```

```

16         of possibilities for
           application in the area of biochemistry and
           biotechnology, specific
17         with applications in biomedical application
           and due problem-solving
18         reasoning skills.}}
19 \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\\
5     Integer tincidunt dapibus consectetur. Nullam
6       tristique aliquam luctus. Sed
7       ut ante velit. Nulla pharetra maximus lacus at
8       elementum. Suspendisse
9       sodales consectetur metus, sit amet ultricies ipsum
10      ultrices ut.};
11  \cvItem{Internship\\
12    \textsc{Company Y}, Location Y. June 2012 -- August
13      2012\\
14    Lorem ipsum dolor sit amet, consectetur adipiscing
15      elit. Morbi dictum cursus
16      sapien, id eleifend mi pellentesque id. Etiam
17      lobortis eu odio a sodales.
18      Phasellus ut dolor feugiat, lacinia lectus in,
19      blandit metus. Fusce lacinia
20      dolor et metus gravida pulvinar sit amet et ex.};
21  \cvItem{Internship\\
22    \textsc{Company Z}, Location Z. August 2014 --
23      September 2014\\
24    Lorem ipsum dolor sit amet, consectetur adipiscing
25      elit. Morbi dictum cursus
26      sapien, id eleifend mi pellentesque id. Etiam
27      lobortis eu odio a sodales.
28      Phasellus ut dolor feugiat, lacinia lectus in,
29      blandit metus. Fusce lacinia
30      dolor et metus gravida pulvinar sit amet et ex.
31      Suspendisse vestibulum, leo
32      malesuada molestie maximus, sem risus ornare elit,
33      vitae sodales felis

```



```

20     elit in ipsum.);
21 \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 skills. If you have an odd number of items, **cvSkillOne** `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 should be done using the **\cvAddReference** `\cvAddReference{<information>}` macro. The following 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}

```

**cvList** If the above sections do not fit your needs, you can define a new section using **cvList** `cvList{<environment name>}{<storage key>}{<icon>}`. It is also used internally for **cvExperience** and **cvEducation**, e.g.:

Listing 6: `cvList` code example.

```
1 \cvList{cvEducation}{education}{\faGraduationCap}
```

## 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 7.

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

Listing 7: `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 8 in the preamble:

Listing 8: 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 9.

Listing 9: 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 the layout. Default value:  $\text{\cvMainWidth}+3\text{\cvMargin}$ .
- `\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.

No built examples found. Figure not included.

Figure 2: Example CV (scaled).

No built examples found.

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

## 9 Implementation

### 9.1 Licence

limecv.cls

Copyright 2017 - 2021 by Olivier Pieters

A (Xe/Lua)LaTeX document class

This work may be distributed and/or modified under the conditions of the LaTeX Project Public License, either version 1.3c of this license or (at your option) any later version. The latest version of this license is in <http://www.latex-project.org/lppl.txt> and version 1.3c or later is part of all distributions of LaTeX version 2008-05-04 or later.

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.

### 9.2 Intro

I have tried to create a logical structure for the source code such that related commands are grouped into a single section. However, this was not always possible.

### 9.3 Package Info and Required Packages

Before starting the actual implementation, we first load all required packages and set their options.

Process key-value class options using `kvoptions`:

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

Define and process class options. `print` is an (unimplemented) option that should optimise the layout for printed CVs.

```
2 \DeclareBoolOption[false]{print}
```

Since the package already attempts to load the `fontspec` package, it is no longer possible to define a custom font path. This is again possible using this class option. Other options can also be set this way. However, if multiple arguments are desirable, use `\cvComma` to separate between them, since the class cannot differentiate between its own options and those it need to pass to `fontspec`.

```
3 \newif\ifcv@fontPath
4 \cv@fontPathfalse
```

```

5 \DeclareStringOption{path}
6 \AddToKeyvalOption*{path}{\cv@fontPathtrue}

```

By default, Fira fonts are used. This can be modified using `sansfont` and `monofont`.

```

7 \DeclareStringOption[Fira Sans]{sansfont}
8 \DeclareStringOption[Fira Mono]{monofont}

```

Process the options.

```

9 \ProcessKeyvalOptions*

```

The article document class is used as a base template for this class. Options are automatically passed to the article class via this way.

```

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

```

Include required packages. A short description is provided about the function of each package.

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 indents.

```

23 \RequirePackage{parskip}

```

String operations.

```

24 \RequirePackage{xstring}

```

Key-value parsing within document.

```

25 \RequirePackage{xkeyval}

```

## 9.4 Colour Definitions

Define the custom colours used in this document.

```
26 \definecolor{cvGreen}{HTML}{357F2D}
27 \definecolor{cvGreenLight}{HTML}{282c34}
28 \definecolor{cvRed}{HTML}{7f2d35}
29 \definecolor{cvDark}{HTML}{2F3142}
30 \definecolor{cvAccent}{HTML}{474A65}
31 \definecolor{cvBackground}{HTML}{FFFFFF}
```

## 9.5 New Column Types

Define new table column types with fixed width.

```
32 \newcolumnntype{L}[1]{>{\raggedright\let\newline\\%
33 \arraybackslash\hspace{0pt}}m{#1}}
34 \newcolumnntype{C}[1]{>{\centering\let\newline\\%
35 \arraybackslash\hspace{0pt}}m{#1}}
36 \newcolumnntype{R}[1]{>{\raggedleft\let\newline\\%
37 \arraybackslash\hspace{0pt}}m{#1}}
```

## 9.6 Helper commands

`\cvComma` escapes the parsing once and can be useful to add a comma to the key of a key-value structure.

`\cvComma`

```
38 \NewDocumentCommand{\cvComma}{}{,}
```

`\@IfNoValueOrEmptyTF`

`\@IfNoValueOrEmptyTF{argument}{if empty}{if not empty}` checks if an argument is empty.

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

```
39 \ExplSyntaxOn
40 \DeclareExpandableDocumentCommand{\@IfNoValueOrEmptyTF}{%
41   {mmm}{\IfNoValueTF{#1}{#2}}{
42     \tl_if_empty:nTF {#1} {#2} {#3}%
43   }
44 }
45 \ExplSyntaxOff
```

`\ifnodedefined`

Checks if node is defined.

Based on: <https://tex.stackexchange.com/questions/37709>

```
46 \long\def\ifnodedefined#1#2#3{%
47   \@ifundefined{pgf@sh@ns@#1}{#3}{#2}%
48 }
```



## 9.7 Global Font Colour

```
\globalcolor Update global font colour.  
49 \NewDocumentCommand{\globalcolor}{m}{%  
50   \color{#1}\global\let\default@color\current@color  
51 }
```

Automatically set font colour.

```
52 \AtBeginDocument{\globalcolor{cvDark}}
```

## 9.8 TikZ Style Definitions

TikZ is a very important package and forms the main reason this CV can have the look that it does now.

```
53 \RequirePackage{tikz}
```

Needed to load the cover letter image in the sidebar.

```
54 \RequirePackage{graphicx}
```

A lot of additional TikZ libraries are also needed:

```
55 \usetikzlibrary{%  
56   calc,  
57   positioning,  
58   fit,  
59   arrows.meta,  
60   backgrounds,  
61   matrix}
```

Define all TikZ styles that are used throughout this document. All styles come in pairs: one that the user can overwrite and one that is internally defined and results into the default behaviour. Userdefined behaviour is always included last, such that it can overwrite the default behaviour.

```
62 \tikzset{  
63   interesticon/.style = {},  
64   interesttext/.style = {},  
65   eventdottext/.style = {},  
66   invisibletimedot/.style = {},  
67   timedot/.style = {},  
68   contactIcon/.style={},  
69   contactText/.style={},  
70   headerIcon/.style={},  
71   skillLevel/.style={},  
72   languageText/.style={},  
73   skillText/.style={},  
74   progressArea/.style={},  
75   progressBar/.style={},  
76   sectionTitle/.style={},  
77   sectionEduText/.style={%
```

```

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

```

```

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

```

## 9.9 XeLaTeX/LuaLaTeX Specific Code

The initial design features the Fira font and thus requires the `fontspec` package. However, if the `pdflatex` compiler is used, it should still compile. This is done in this part of the code. If needed, the relevant packages are loaded and the options are set.

`\cv@loadFonts`

```

150 \NewDocumentCommand{\cv@loadFonts}{}{
151   \RequirePackage{fontspec}
152   \RequirePackage{fontawesome5}

```

Load the fonts. By default Fira will be loaded, but this can be overwritten by the user.

```

153   \setmainfont[Numbers={Monospaced}]{\limecv@sansfont}
154   \setsansfont{\limecv@sansfont}
155   \setmonofont{\limecv@monofont}

```

Sometimes fonts are not located in their default location, if this option is passed, additional paths will be traversed.

```

156   \ifcv@fontPath
157     \newfontfamily{\cv@FA}[Path=\limecv@path]%
158     {Font Awesome 5 Free}
159   \else
160     \newfontfamily{\cv@FA}{Font Awesome 5 Free}
161   \fi

```

The `fontawesome5` package does not feature all of the latest icons available, so we define some of the manually since they are relevant for this CV.

`\faAddressCard`

```
162 \ProvideDocumentCommand{\faAddressCard}{-}{\cv@FA%
163 \symbol{"F2B9}}}
```

`\faVcard`

```
164 \ProvideDocumentCommand{\faVcard}{-}{\cv@FA%
165 \symbol{"F2BB}}}
```

`\faMicrochip`

```
166 \ProvideDocumentCommand{\faMicrochip}{-}{\cv@FA%
167 \symbol{"F2DB}}}
```

In the future, the `fontawesome5` dependency can be dropped if a manually coded icon is included, such as those defined in `modernevcv`. Example: <https://raw.githubusercontent.com/xdanaux/modernevcv/master/modernevcviconsmarvosym.sty>

Execute the above defined command if relevant. In the case of `pdflatex`, the default font is set to a sans serif font.

```
169 \ifxetex
170 \cv@loadFonts
171 \else
172 \ifluatex
173 \cv@loadFonts
174 \else
175 \RequirePackage{fontawesome5}
176 \RenewDocumentCommand{\familydefault}{-}{\sfdefault}
177 \fi
178 \fi
```

If the XeLaTeX compiler is used and the font is compatible, it is possible to remove the side bearing of certain characters. This is advantageous for alignment of certain characters. However, in the case a non-compatible compiler is used, these commands do not perform anything.

The code below is based on: <https://tex.stackexchange.com/questions/274479> and <https://tex.stackexchange.com/questions/34563>

```
179 \ifxetex
```

`\kright`

```
180 \NewDocumentCommand{\kright}{m}{\leavevmode #1%
181 \kern-\XeTeXglyphbounds3 \the\XeTeXcharglyph{#1 }
182 % \end{macro}
183 % \begin{macro}{\kleft}
184 % \begin{macrocode}
185 \NewDocumentCommand{\kleft}{m}{\leavevmode %
186 \kern-\XeTeXglyphbounds1 \the\XeTeXcharglyph{#1 #1}}
```

```

187 \else

\kright
188 \NewDocumentCommand{\kright}{m}{#1}

\kleft
189 \NewDocumentCommand{\kleft}{m}{#1}

190 \fi

Extracts n-th charcter from a string Argument order: string - character number
191 \ExplSyntaxOn
192 \cs_generate_variant:Nn\tl_item:nn {f}

\extract
193 \DeclareExpandableDocumentCommand{\extract}{mm}{%
194 \tl_item:fn{#1}{#2}%
195 }

196 \ExplSyntaxOff

Page layout
remove page numbers
197 %% \pagenumbering{gobble}
remove all page styling
198 \pagestyle{empty}
not used

199 \newlength\cvColSep
200 \setlength\cvColSep{1cm} % 2 times column separation!
not used

201 \newlength\cvNodeSep
202 \setlength\cvNodeSep{0.75cm}
203 \newlength\cvTimeDotDiameter
204 \setlength\cvTimeDotDiameter{3pt}
205 \newlength\cvMargin
206 \setlength\cvMargin{1cm}
207 \newlength\cvSideWidth
208 \setlength\cvSideWidth{0.3\paperwidth-\cvMargin}
209 \newlength\cvMainWidth
210 \setlength\cvMainWidth{\paperwidth-4\cvMargin-\cvSideWidth}
211 \newlength\cvTimeDotSep
212 \setlength\cvTimeDotSep{0.4cm}
213 \newlength\cvStartEndSep
214 \setlength\cvStartEndSep{0.3cm}
215 \newlength\cvItemSep
216 \setlength\cvItemSep{0.4cm}
217 \newlength\cvTableSepWidth
218 \setlength\cvTableSepWidth{0.3cm}

```

```

219 \newlength\cvCoverLetterHeight
220 \setlength\cvCoverLetterHeight{\cvSideWidth}
221 \newlength\cvCoverLetterWidth
222 \setlength\cvCoverLetterWidth{\cvMainWidth+3\cvMargin}
223 \newlength\cvPictureWidth
224 \setlength\cvPictureWidth{4cm}

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

    line width of horizontal line below section title
233 \newlength\cvTitleLineWidth
234 \setlength\cvTitleLineWidth{2pt}

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

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

    internal spacing between details of a single project
239 \newlength\cvProjectDetailsSep
240 \setlength\cvProjectDetailsSep{0.2cm}
241 \newlength\cvInterestDetailsSep
242 \setlength\cvInterestDetailsSep{4pt}
243 \newlength\cvContactItemSep
244 \setlength\cvContactItemSep{5pt}

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

```

```

259 \newlength\cvHeaderIconWidth
260 \setlength\cvHeaderIconWidth{10pt}

```

---

New styling commands  
Style main section title

```

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

```

Typeset skill level

```

262 \newcount\my@repeat@count
263 \NewDocumentCommand{\cvSkill}{m}{%
264   \begingroup
265   \my@repeat@count=\z@
266   \@whilenum\my@repeat@count<#1\do{\faCircle[solid]\advance%
267     \my@repeat@count\@ne}%
268   \my@repeat@count=\numexpr5-\z@\relax
269   \@whilenum\my@repeat@count>#1\do{\faCircle[regular]\advance%
270     \my@repeat@count\m@ne}%
271   \endgroup
272 }

```

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

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

```

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

```

Title counters

```

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

```

Draw everything associated with main section title.

```

282 \NewDocumentCommand{\cv@Title}{mm}{%
283   \ifnodedefined{cv@last item \the\value{cv@lastItem}}{%
284     \setlength\cvHeaderIconWidth\cvHeaderIconWidth{%
285       \%maxof{\cvHeaderIconWidth}{\widthof{\Large #2}}}%
286   \protected@write\@auxout{}{\global\cvHeaderIconWidth=\the\cvHeaderIconWidth}
287   \node[%
288     below=\cvSectionSep of cv@last item %
289     \the\value{cv@lastItem}.south west,
290     cv@sectionTitle]
291     (cv@title \the\value{cv@titleNext})
292     {\begingroup\edef\y{\endgroup%
293       \cvSection\bgroup\noexpand\kleft{%
294         \extract{#1}{1}}}%
295       \y\StrGobbleLeft{#1}{1}\egroup};
296   \node[%

```

```

297     left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
298     cv@headerIcon]
299     {#2};
300   \node[
301     below=\cvSectionSep of cv@last item %
302     \the\value{cv@lastItem}.south west,
303     cv@sectionTitle]
304     (cv@title \the\value{cv@titleNext} dummy) {%
305     \phantom{\cvSection{Education}}};
306   \begin{scope}[on background layer]
307     \draw[line width=\cvTitleLineWidth,cvGreen]
308     let \p1=(cv@title \the\value{cv@titleNext} %
309     dummy.south west),
310     \p2=(current page.east) in
311     (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
312   \end{scope}
313 }{%
314   \node[cv@sectionTitle] at (0,0) (cv@title %
315     \the\value{cv@titleNext})
316   {\begingroup\edef\y{\endgroup%
317     \cvSection\bgroup\noexpand\kleft{\extract{#1}{1}}}%
318     \y\StrGobbleLeft{#1}{1}\egroup};
319   \node[%
320     left=\cvTimeDotSep of cv@title \the\value{cv@titleNext},
321     cv@headerIcon]
322     {#2};
323   \node[cv@sectionTitle] at (0,0)
324     (cv@title \the\value{cv@titleNext} dummy) {%
325     \phantom{\cvSection{Education}}};
326   \begin{scope}[on background layer]
327     \draw[line width=\cvTitleLineWidth,cvGreen]
328     let \p1=(cv@title \the\value{cv@titleNext} %
329     dummy.south west),
330     \p2=(current page.east) in
331     (\x1,\y1-\cvTitleLineSpacing) to (\x2,\y1-\cvTitleLineSpacing);
332   \end{scope}
333 }%
334 \stepcounter{cv@titlePrev}%
335 \stepcounter{cv@titleNext}
336 }

```

Draw the timeline

```

337 \NewDocumentCommand{\cv@EndSectionDraw}{}{
338   \draw (start) to (end.center);}

```

Item counters

```

339 \newcounter{cv@itemPrev}
340 \setcounter{cv@itemPrev}{0}
341 \newcounter{cv@itemNext}
342 \setcounter{cv@itemNext}{1}

```



```

343 \newcounter{cv@lastItem}
344 \setcounter{cv@lastItem}{1}

List a timeline entry

345 \NewDocumentCommand{\cv@definecvItem}{-}{
346   \NewDocumentCommand{\cvItem}{m}{%
347     \ifnodedefined{item \the\value{cv@itemPrev}}{%
348       \node[%
349         below=\cvItemSep of item %
350         \the\value{cv@itemPrev}.south west,
351         cv@eventdottext]
352         (item \the\value{cv@itemNext} header)
353         {\phantom{Evening}};
354       \node[%
355         below=\cvItemSep of item %
356         \the\value{cv@itemPrev}.south west,
357         cv@sectionEduText]
358         (item \the\value{cv@itemNext})
359         {##1};
360       \node[%
361         left=\cvTimeDotSep of item %
362         \the\value{cv@itemNext} header,
363         cv@timedot]
364         {};
365     }{
366       \node[%
367         below=\cvItemSep of cv@title %
368         \the\value{cv@titlePrev}.south west,
369         cv@eventdottext]
370         (item \the\value{cv@itemNext} header)
371         {\phantom{Evening}};
372       \node[
373         below=\cvItemSep of cv@title %
374         \the\value{cv@titlePrev}.south west,
375         cv@sectionEduText]
376         (item \the\value{cv@itemNext})
377         {##1};
378       \node[
379         left=\cvTimeDotSep of item %
380         \the\value{cv@itemNext} header,
381         cv@timedot]
382         (start)
383         {};
384     }
385     \node[
386       left=\cvTimeDotSep of item %
387       \the\value{cv@itemNext}.south west,
388       cv@invisibletimedot]
389       (end)
390       {};

```

```

391     \stepcounter{cv@itemPrev}
392     \stepcounter{cv@itemNext}
393 }
394 }

----- Language
395 \pgfkeys{/@cv/names/.is family,
396           /@cv/names/.unknown/.style = %
397           {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
398            .initial = #1}}

Set all title names to English (default):
399 \NewDocumentCommand{\cv@setEnglish}{}{
400     \pgfkeys{/@cv/names/profile = Profile}%
401     \pgfkeys{/@cv/names/contact = Contact}%
402     \pgfkeys{/@cv/names/languages = Languages}%
403     \pgfkeys{/@cv/names/interests = Interests}%
404     \pgfkeys{/@cv/names/professional = Professional}%
405     \pgfkeys{/@cv/names/personal = Personal}%
406     \pgfkeys{/@cv/names/projects = Projects}%
407     \pgfkeys{/@cv/names/education = Education}%
408     \pgfkeys{/@cv/names/experience = Experience}%
409     \pgfkeys{/@cv/names/references = References}%
410     \pgfkeys{/@cv/names/skills = Skills}%
411     \pgfkeys{/@cv/names/publications = Publications}%
412 }

Set all title names to Dutch:
413 \NewDocumentCommand{\cv@setDutch}{}{
414     \pgfkeys{/@cv/names/profile = Profiel}%
415     \pgfkeys{/@cv/names/contact = Gegevens}%
416     \pgfkeys{/@cv/names/languages = Talenkennis}%
417     \pgfkeys{/@cv/names/interests = Interesses}%
418     \pgfkeys{/@cv/names/professional = Professioneel}%
419     \pgfkeys{/@cv/names/personal = Persoonlijk}%
420     \pgfkeys{/@cv/names/projects = Projecten}%
421     \pgfkeys{/@cv/names/education = Opleiding}%
422     \pgfkeys{/@cv/names/experience = Werkervaring}%
423     \pgfkeys{/@cv/names/references = Referenties}%
424     \pgfkeys{/@cv/names/skills = Vaardigheden}%
425     \pgfkeys{/@cv/names/publications = Publicaties}%
426 }

Set all title names to Chinese (Mandarin):
427 \NewDocumentCommand{\cv@setChinese}{}{
428     \pgfkeys{/@cv/names/profile = }%
429     \pgfkeys{/@cv/names/contact = }%
430     \pgfkeys{/@cv/names/languages = }%
431     \pgfkeys{/@cv/names/interests = }%
432     \pgfkeys{/@cv/names/professional = Professional}%
433     \pgfkeys{/@cv/names/personal = Personal}%

```

```

434 \pgfkeys{/@cv/names/projects = }%
435 \pgfkeys{/@cv/names/education = }%
436 \pgfkeys{/@cv/names/experience = }%
437 \pgfkeys{/@cv/names/references = References}%
438 \pgfkeys{/@cv/names/skills = IT}%
439 \pgfkeys{/@cv/names/publications = }%
440 }

```

Set all title names to French:

```

441 \NewDocumentCommand{\cv@setFrench}{}{
442 \pgfkeys{/@cv/names/profile = Profil}%
443 \pgfkeys{/@cv/names/contact = Contact}%
444 \pgfkeys{/@cv/names/languages = Langues}%
445 \pgfkeys{/@cv/names/interests = Centres d'int\`{e}r\`{e}t}%
446 \pgfkeys{/@cv/names/professional = Professionel}%
447 \pgfkeys{/@cv/names/personal = Personnel}%
448 \pgfkeys{/@cv/names/projects = Projets}%
449 \pgfkeys{/@cv/names/education = Education}%
450 \pgfkeys{/@cv/names/experience = Exp\`{e}riences}%
451 \pgfkeys{/@cv/names/references = R\`{e}f\`{e}rences}%
452 \pgfkeys{/@cv/names/skills = Comp\`{e}tences}%
453 }

```

Set all title names to German:

```

454 \NewDocumentCommand{\cv@setGerman}{}{
455 \pgfkeys{/@cv/names/profile = Profil}%
456 \pgfkeys{/@cv/names/contact = Kontakt}%
457 \pgfkeys{/@cv/names/languages = Sprachen}%
458 \pgfkeys{/@cv/names/interests = Interessen}%
459 \pgfkeys{/@cv/names/professional = Beruflich}%
460 \pgfkeys{/@cv/names/personal = Pers\`{o}nlich}%
461 \pgfkeys{/@cv/names/projects = Projekte}%
462 \pgfkeys{/@cv/names/education = Ausbildung}%
463 \pgfkeys{/@cv/names/experience = Berufliche Erfahrung}%
464 \pgfkeys{/@cv/names/references = Referenzen}%
465 \pgfkeys{/@cv/names/skills = Kenntnisse}%
466 \pgfkeys{/@cv/names/publications = Ver\`{o}ffentlichungen}%
467 }

```

Set all title names to Italian:

```

468 \NewDocumentCommand{\cv@setItalian}{}{
469 \pgfkeys{/@cv/names/profile = Profilo}%
470 \pgfkeys{/@cv/names/contact = Contatti}%
471 \pgfkeys{/@cv/names/languages = Lingue}%
472 \pgfkeys{/@cv/names/interests = Interessi}%
473 \pgfkeys{/@cv/names/professional = Professionali}%
474 \pgfkeys{/@cv/names/personal = Personali}%
475 \pgfkeys{/@cv/names/projects = Progetti}%
476 \pgfkeys{/@cv/names/education = Formazione}%
477 \pgfkeys{/@cv/names/experience = Esperienze lavorative}%
478 \pgfkeys{/@cv/names/references = Referenze}%

```

```

479 \pgfkeys{/@cv/names/skills = Competenze}%
480 \pgfkeys{/@cv/names/publications = Pubblicazioni}%
481 }

```

Set the title names to Spanish:

```

482 \NewDocumentCommand{\cv@setSpanish}{-}{
483 \pgfkeys{/@cv/names/profile = Perfil}%
484 \pgfkeys{/@cv/names/contact = Contacto}%
485 \pgfkeys{/@cv/names/languages = Idiomas}%
486 \pgfkeys{/@cv/names/interests = Intereses}%
487 \pgfkeys{/@cv/names/professional = Profesionales}%
488 \pgfkeys{/@cv/names/personal = Personales}%
489 \pgfkeys{/@cv/names/projects = Proyectos}%
490 \pgfkeys{/@cv/names/education = Formación}%
491 \pgfkeys{/@cv/names/experience = Experiencia}%
492 \pgfkeys{/@cv/names/skills = Habilidades}%
493 \pgfkeys{/@cv/names/references = Referencias}%
494 \pgfkeys{/@cv/names/publications = Publicaciones}%
495 }

```

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

Define the command to change the language

```

496 \ExplSyntaxOn
497 \NewDocumentCommand{\cvSetLanguage}{m}{
498 \str_case:nnF {#1}
499 {
500 {dutch} {\cv@setDutch}
501 {english} {\cv@setEnglish}
502 {french} {\cv@setFrench}
503 {german} {\cv@setGerman}
504 {italian} {\cv@setItalian}
505 {spanish} {\cv@setSpanish}
506 {chinese} {%
507 \usepackage[BoldFont,SlantFont]{xeCJK}%
508 \cv@setChinese%
509 }
510 }
511 {\ClassError{limecv}{Unknown option ‘#1’ for cvLanguage %
512 macro.}{Only ‘english’, ‘chinese’, ‘dutch’, ‘french’, ‘german’, %
513 ‘italian’ and ‘spanish’ are valid options for this macro.}}
514 }
515 \ExplSyntaxOff
516 \cvSetLanguage{english}
517 % \cvSetLanguage{english}

```

---

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

```

518 \newif\ifcv@firstskill

```

519 \NewDocumentCommand{\cv@skillsTable}{}{}{}

520 \NewDocumentCommand{\cvSkillTwo}{mmmm}{%

```

521 \ifcv@firstskill
522   \g@addto@macro\cv@skillsTable{\cvSkill{#1} %
523     & #2 & \cvSkill{#3} & #4}
524   \cv@firstskillfalse
525 \else
526   \g@addto@macro\cv@skillsTable{\[\[ \cvSkillSep] \cvSkill{#1} %
527     & #2 & \cvSkill{#3} & #4}
528 \fi
529 }

```

530 \NewDocumentCommand{\cvSkillOne}{mm}{%

```

531 \ifcv@firstskill
532   \g@addto@macro\cv@skillsTable{\cvSkill{#1} & #2}
533   \cv@firstskillfalse
534 \else
535   \g@addto@macro\cv@skillsTable{\[\[ \cvSkillSep] \cvSkill{#1} & #2}
536 \fi
537 }

```

538 \NewDocumentEnvironment{cvMainContent}{}{%

29

```

561 \begin{tikzpicture}[%
562     every node/.style={
563         inner sep=0pt,
564         outer sep=0pt},
565     remember picture,
566     overlay,
567     shift={($ (current page.north west)+%
568         (\cvMargin+\cvTimeDotSep,-\cvMargin)$)}]
569 }{%
570 \end{tikzpicture}%
571 }

```

---

cvList environment: a general environment for grouped lists. This environment is used to generate e.g. cvEducation, cvExperience etc.

```

572 \NewDocumentCommand{\cvList}{mmm} {%
573 \NewDocumentEnvironment{#1}{}{%
574 \cv@Title{\pgfkeysvalueof{/@cv/names/#2}}{#3}
insures uniqueness
575 \stepcounter{cv@itemPrev}
576 \stepcounter{cv@itemNext}
577 \cv@definecvItem
578 }{%
579 \cv@EndSectionDraw
580 \stepcounter{cv@lastItem}
581 \draw (item \the\value{cv@itemPrev}.south west)
582 node (cv@last item \the\value{cv@lastItem}) {};
583 }
584 }

```

---

cvEducation environment

```

585 \cvList{cvEducation}{education}{\faGraduationCap}

```

---

cvExperience environment

```

586 \cvList{cvExperience}{experience}{\faBriefcase}

```

---

cvSkills environment

```

587 \NewDocumentEnvironment{cvSkills}{}{%
588 \cv@Title{\pgfkeysvalueof{/@cv/names/skills}}{\faStar}
589 \global\cv@firstskilltrue
590 \RenewDocumentCommand{\cv@skillsTable}{}{}
591 }{%
592 \node[
593     below=\cvSectionSep of cv@title \the\value{cv@titlePrev}%
594     .south west,
595     anchor=north west] (skills) %

```

```

596     {\begin{tabular}}{@{}l@{\hskip\cvColSep}l@{}}}%
597     \cv@skillsTable
598     \end{tabular}};
599     \stepcounter{cv@lastItem}
600     \draw (skills.south west) node %
601         (cv@last item \the\value{cv@lastItem}) {};
602 }

```

---

cvPublications environment

```

603 \cvList{cvPublications}{publications}{\faNewspaper}

```

---

cvReferences environment

```

604 \NewDocumentEnvironment{cvReferences}{}{%
605     \cv@Title{\pgfkeysvalueof{/@cv/names/references}}{\faLink}
606     \node[
607         below=\cvSectionSep of cv@title \the\value{cv@titlePrev}.%
608         south west,
609         anchor=north west,
610     ] (cv@References) \bgroup %
611 }{%
612     \egroup;
613     \stepcounter{cv@lastItem}
614     \draw (cv@References.south west) node %
615         (cv@last item \the\value{cv@lastItem}) {};
616 }

```

Key-value parsing structure

```

617 \pgfkeys{/@cv/references/.is family,
618           /@cv/references/.unknown/.style = %
619           {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
620            .initial = #1}}
621 \newif\ifcv@refName
622 \pgfkeys{/@cv/references/name/.is if=cv@refName}
623 \pgfkeys{/@cv/references/name=false}
624 \newif\ifcv@refPosition
625 \pgfkeys{/@cv/references/position/.is if=cv@refPosition}
626 \pgfkeys{/@cv/references/position=false}
627 \newif\ifcv@refCompany
628 \pgfkeys{/@cv/references/company/.is if=cv@refCompany}
629 \pgfkeys{/@cv/references/copmany=false}
630 \newif\ifcv@refAddressLineA
631 \pgfkeys{/@cv/references/address line 1/.is if=%
632     cv@refAddressLineA}
633 \pgfkeys{/@cv/references/address line 1=false}
634 \newif\ifcv@refAddressLineB
635 \pgfkeys{/@cv/references/address line 2/.is if=%
636     cv@refAddressLineB}
637 \pgfkeys{/@cv/references/address line 2=false}

```

```

638 \newif\ifcv@refAddressLineC
639 \pgfkeys{/@cv/references/address line 3/.is if=%
640   cv@refAddressLineC}
641 \pgfkeys{/@cv/references/address line 3=false}
642 \newif\ifcv@refWorkPhone
643 \pgfkeys{/@cv/references/work phone/.is if=%
644   cv@refWorkPhone}
645 \pgfkeys{/@cv/references/work phone=false}
646 \newif\ifcv@refMobilePhone
647 \pgfkeys{/@cv/references/mobile phone/.is if=%
648   cv@refMobilePhone}
649 \pgfkeys{/@cv/references/mobile phone=false}
650 \newif\ifcv@refEmail
651 \pgfkeys{/@cv/references/email/.is if=%
652   cv@refEmail}
653 \pgfkeys{/@cv/references/email=false}
654 \newif\ifcv@refStored
655 \pgfkeys{/@cv/references/value stored/.is if=%
656   cv@refStored}
657 \pgfkeys{/@cv/references/value stored=false}
      keys
658 \define@key{cvAddReferenceA}{name}{%
659   \global\def\cv@refAName{#1}%
660   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/name = true}}}
661 \define@key{cvAddReferenceA}{company}{%
662   \global\def\cv@refACompany{#1}%
663   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/company = true}}}
664 \define@key{cvAddReferenceA}{position}{%
665   \global\def\cv@refAPosition{#1}%
666   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/position = true}}}
667 \define@key{cvAddReferenceA}{address line 1}{%
668   \global\def\cv@refAAddressLineA{#1}%
669   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 1 = true}}}
670 \define@key{cvAddReferenceA}{address line 2}{%
671   \global\def\cv@refAAddressLineB{#1}%
672   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 2 = true}}}
673 \define@key{cvAddReferenceA}{address line 3}{%
674   \global\def\cv@refAAddressLineC{#1}%
675   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 3 = true}}}
676 \define@key{cvAddReferenceA}{phone work}{%
677   \global\def\cv@refAPhoneWork{#1}%
678   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/phone work = true}}}
679 \define@key{cvAddReferenceA}{mobile phone}{%
680   \global\def\cv@refAMobilePhone{#1}%
681   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/mobile phone = true}}}

```



```

682 \define@key{cvAddReferenceA}{email}{%
683   \global\def\cv@refAEmail{#1}%
684   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/email = true}}}}

685 \define@key{cvAddReferenceB}{name}{%
686   \global\def\cv@refBName{#1}%
687   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/name = true}}}}

688 \define@key{cvAddReferenceB}{company}{%
689   \global\def\cv@refBCompany{#1}%
690   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/company = true}}}}

691 \define@key{cvAddReferenceB}{position}{%
692   \global\def\cv@refBPosition{#1}%
693   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/position = true}}}}

694 \define@key{cvAddReferenceB}{address line 1}{%
695   \global\def\cv@refBAddressLineA{#1}%
696   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 1 = true}}}}

697 \define@key{cvAddReferenceB}{address line 2}{%
698   \global\def\cv@refBAddressLineB{#1}%
699   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 2 = true}}}}

700 \define@key{cvAddReferenceB}{address line 3}{%
701   \global\def\cv@refBAddressLineC{#1}%
702   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/address line 3 = true}}}}

703 \define@key{cvAddReferenceB}{phone work}{%
704   \global\def\cv@refBPhoneWork{#1}%
705   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/phone work = true}}}}

706 \define@key{cvAddReferenceB}{mobile phone}{%
707   \global\def\cv@refBMobilePhone{#1}%
708   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/mobile phone = true}}}}

709 \define@key{cvAddReferenceB}{email}{%
710   \global\def\cv@refBEmail{#1}%
711   \@IfNoValueOrEmptyTF{#1}{\pgfkeys{/@cv/references/email = true}}}}

712 \NewDocumentCommand{\cvAddReference}{sm}{%
713   \IfBooleanTF{#1}{%
714     \setkeys{cvAddReferenceA}{name=,company=,
715       position=,address line 1=,address line 2=,
716       address line 3=,phone work=,mobile phone=,#2}
717     \pgfkeys{/@cv/references/name = true}%
718   }{%
719     \setkeys{cvAddReferenceB}{name=,company=,
720       position=,address line 1=,address line 2=,
721       address line 3=,phone work=,mobile phone=,#2}
722     \ifcv@refStored%
723       \begin{tabular}{@{}L{0.5\cvMainWidth-0.5\cvTimeDotSep%
724         -0.5\cvTableSepWidth}@{\hskip \cvTableSepWidth}%
725         L{0.5\cvMainWidth-0.5\cvTimeDotSep%
726         -0.5\cvTableSepWidth}@{}}%
727       \ifcv@refName          \cv@refAName          & \cv@refBName          \fi %

```

```

728 \ifcv@refCompany      \\ \cv@refACompany      & \cv@refBCompany      \fi %
729 \ifcv@refPosition     \\ \cv@refAPosition     & \cv@refBPosition     \fi %
730 \ifcv@refAddressLineA \\ \cv@refAAddressLineA & \cv@refBAddressLineA \fi %
731 \ifcv@refAddressLineB \\ \cv@refAAddressLineB & \cv@refBAddressLineB \fi %
732 \ifcv@refAddressLineC \\ \cv@refAAddressLineC & \cv@refBAddressLineC \fi %
733 \ifcv@refWorkPhone    \\ \cv@refAPhoneWork    & \cv@refBPhoneWork    \fi %
734 \ifcv@refMobilePhone  \\ \cv@refAMobilePhone  & \cv@refBMobilePhone  \fi %
735 \ifcv@refEmail        \\ \cv@refAEmail        & \cv@refBEmail        \fi %
736 \end{tabular}%
737 \pgfkeys{/@cv/references/value stored = false}%
738 \else%
739 \begin{tabular}{@{}L{0.5\cvMainWidth}%
740 -0.5\cvTimeDotSep}@{}}%
741 \ifcv@refName          \cv@refBName          \fi %
742 \ifcv@refCompany      \\ \cv@refBCompany      \fi %
743 \ifcv@refPosition     \\ \cv@refBPosition     \fi %
744 \ifcv@refAddressLineA \\ \cv@refBAddressLineA \fi %
745 \ifcv@refAddressLineB \\ \cv@refBAddressLineB \fi %
746 \ifcv@refAddressLineC \\ \cv@refBAddressLineC \fi %
747 \ifcv@refWorkPhone    \\ \cv@refBPhoneWork    \fi %
748 \ifcv@refMobilePhone  \\ \cv@refBMobilePhone  \fi %
749 \ifcv@refEmail        \\ \cv@refBEmail        \fi %
750 \end{tabular}%
751 \fi%
752 }%
753 }

```

---

#### cvSidebar environment

```

754 \NewDocumentEnvironment{cvSidebar}{}{%
755 \vspace*{\fill}
756 \vspace*{-0.5\cvMargin}
757 \begin{tikzpicture}[remember picture,overlay]
758 \fill[cvGreenLight] (current page.north west) rectangle %
759 ++(\cvSideWidth+2\cvMargin,-\paperheight);
760 \end{tikzpicture}%
761 \begin{minipage}{\cvSideWidth}
762 \begin{center}
763 }{%
764 \end{center}
765 \end{minipage}
766 \vspace*{\fill}
767 }
768 \NewDocumentEnvironment{cvSidebar*}{}{%
769 \vspace*{\fill}
770 \vspace*{-0.5\cvMargin}
771 \begin{tikzpicture}[remember picture,overlay]
772 \fill[cvGreenLight] (current page.north east) rectangle %
773 ++(-\cvSideWidth-2\cvMargin,-\paperheight);
774 \end{tikzpicture}%

```

```

775 \hspace*{\paperwidth-\cvSideWidth-2\cvMargin}%
776 \begin{minipage}{\cvSideWidth}
777 \begin{center}
778 }{%
779 \end{center}
780 \end{minipage}
781 \vspace*{\fill}
782 }

```

---

#### cvProfile environment

```

783 \NewDocumentEnvironment{cvProfile}{}{%
784 \vspace{\cvSectionSBSep}
785 \ruleline{\pgfkeysvalueof{/@cv/names/profile}}
786 }{%
787 }

```

---

#### cvContact environment

```

788 \NewDocumentCommand{\cv@ContactTemplate}{mm}{
789 \NewDocumentCommand{#1}{m}{
790 \ifcv@contactfirst \ \ \else %
791 \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
792 \pgfmatrixnextcell \node[cv@contactText]{##1};
793 }
794 }
795 \NewDocumentCommand{\cv@ContactTemplateLink}{mm}{
796 \NewDocumentCommand{#1}{mm}{
797 \ifcv@contactfirst \ \ \else %
798 \global\cv@contactfirsttrue \fi\node[cv@contactIcon]{#2};
799 \pgfmatrixnextcell \node[cv@contactText]{%
800 \@IfNoValueOrEmptyTF{##1}{##2}{\href{##1}{##2}}};
801 }
802 }
803 \NewDocumentCommand{\cvContactTemplate}{O{} mm}{
804 \ifcv@contactfirst%
805 \ \ %
806 \else %
807 \global\cv@contactfirsttrue %
808 \fi %
809 \node[cv@contactIcon]{#2};
810 \pgfmatrixnextcell \node[cv@contactText]{%
811 \@IfNoValueOrEmptyTF{#1}{#3}{\href{#1}{#3}}}%
812 };
813 }
814 \newif\ifcv@contactfirst
815 \NewDocumentEnvironment{cvContact}{}{%
816 \vspace{\cvSectionSBSep}
817 \ruleline{\pgfkeysvalueof{/@cv/names/contact}}%
818 \vspace{\cvSectionSBSep}

```

```

819
820 \global\cv@contactfirstfalse
821 \cv@ContactTemplate{\cvContactAddress}{\faMapMarker}
822 \cv@ContactTemplate{\cvContactPhone}{\faPhone}
823
824 \cv@ContactTemplateLink{\cvContactEmail}{\faEnvelope}
825 \cv@ContactTemplateLink{\cvContactWebsite}{\faGlobe}
826 \cv@ContactTemplateLink{\cvContactGithub}{\faGithub}
827 \cv@ContactTemplateLink{\cvContactGitlab}{\faGitlab}
828 \cv@ContactTemplateLink{\cvContactLinkedin}{\faLinkedin}
829 \cv@ContactTemplateLink{\cvContactTwitter}{\faTwitter}
830 \cv@ContactTemplateLink{\cvContactKeybase}{\faKey}
831 \begin{tikzpicture}[%
832     every node/.style={inner sep=0pt, outer sep=0pt}]
833     \matrix [
834         column 1/.style={anchor=center},
835         column 2/.style={anchor=west,align=left},
836         column sep=\cvContactItemSep,
837         row sep=\cvContactItemSep,
838         inner sep=0pt,
839         outer sep=0pt] (contact) \bgroup
840 }{%
841     \\egroup; % \\ required, does not compile otherwise
842     \end{tikzpicture}%
843 }

```

---

#### cvInterests environment

```

844 \newif\ifcv@interestLong
845 \cv@interestLongtrue
846 \newcounter{cv@cvInterestCounter}
847 \setcounter{cv@cvInterestCounter}{1}
848 \newcounter{cv@cvInterestCounterPrev}
849 \setcounter{cv@cvInterestCounterPrev}{0}
850 \newif\ifcv@interestContent
851 \cv@interestContentfalse
852 \NewDocumentCommand{\cv@TypesetTableRows}{}{}
853 \newif\ifcv@interestttikzopen
854 \cv@interestttikzopenfalse
855 \NewDocumentCommand{\cv@interestClose}{}{
856     \ifcv@interestLong
857         \ifcv@interestttikzopen
858             \end{tikzpicture}
859         \global\cv@interestttikzopenfalse
860     \fi
861 \else
862     \ifcv@interestContent
863         \begin{tabular}{@{}cl@{}}
864             \cv@TypesetTableRows
865         \end{tabular}

```

```

866     \fi
867 \fi
868 }
869 \NewDocumentCommand{\cv@interestOpen}{-}{
870   \ifcv@interestLong
871     \ifcv@interesttikzopen
872     \else
873       \cv@interesttikzopentru
874       \begin{tikzpicture}[
875         every node/.style={inner sep=0cm,outer sep=0cm}]
876       \fi
877     \else
878       \global\def\cv@TypesetTableRows{
879       \global\cv@interestContentfalse
880     \fi
881 }
882 \NewDocumentCommand{\cv@definecv@interestSection}{-}{
883   \NewDocumentCommand{\cv@interestSection}{m}{
884     \cv@interestClose\
885     \ifcv@interestContent
886       \vspace*{2\cvSectionSBSep}
887     \fi
888     {\color{cvGreen}---} ##1 {\color{cvGreen}---}\
889     \vspace*{\cvSectionSBSep}
890     \cv@interestOpen
891   }
892 }
893 \NewDocumentCommand{\cv@definecvInterestLong}{-}{
894   \NewDocumentCommand{\cvInterest}{mm}{
895     \ifcv@interestContent %
896       \node[
897         below=\cvItemSep of cv@interest text %
898         \the\value{cv@cvInterestCounterPrev},
899         cv@interesticon]
900         (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
901       \node[
902         below=\cvInterestDetailsSep of cv@interest icon %
903         \the\value{cv@cvInterestCounter},
904         cv@interesttext]
905         (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
906     \else
907       \cv@interestOpen
908       \node[cv@interesticon]
909         (cv@interest icon \the\value{cv@cvInterestCounter}) {##1};
910       \node[
911         below=\cvInterestDetailsSep of cv@interest icon %
912         \the\value{cv@cvInterestCounter},
913         cv@interesttext]
914         (cv@interest text \the\value{cv@cvInterestCounter}) {##2};
915     \fi

```

```

916 \stepcounter{cv@cvInterestCounter}
917 \stepcounter{cv@cvInterestCounterPrev}
918 \global\cv@interestContenttrue
919 }
920 }
921 \NewDocumentCommand{\cv@definecvInterestShort}{-}{
  https://tex.stackexchange.com/questions/12761
922 %\def\Z{\vphantom{\parbox[c]{1cm}{\Huge Something Long}}}
923 \NewDocumentCommand{\cvInterest}{mm}{%
  parse optional argument if present
924 \g@addto@macro\cv@TypesetTableRows{##1}%
925 \g@addto@macro\cv@TypesetTableRows{&}%
926 \g@addto@macro\cv@TypesetTableRows{##2}%
927 \g@addto@macro\cv@TypesetTableRows{\[\cvInterestDetailsSep]}%
928 \global\cv@interestContenttrue
929 }
930 }
931 \ExplSyntaxOn
932 \NewDocumentEnvironment{cvInterests}{o}{%
  set defaults
933 \cv@interestLongtrue
  parse optional arguments
934
935 \IfNoValueOrEmptyTF{#1}{-}{%
936 \str_case:nnF {#1}{
937 {long}{\cv@interestLongtrue}
938 {short}{\cv@interestLongfalse}
939 }{\ClassError{limecv}{Unkown option ‘#1’ for cvInterests %
940 environment.}{Only ‘long’ and ‘short’ are valid options %
941 for this environment.}}
942 }
943
944 \stepcounter{cv@cvInterestCounter}
945 \stepcounter{cv@cvInterestCounterPrev}
946
947 \cv@definecv@interestSection
  define new commands
948 \NewDocumentCommand{\cvInterestsPersonal}{-}{%
949 \cv@interestSection{\faUser\ \emph{\pgfkeysvalueof{/@cv/names/personal}}}}
950 \NewDocumentCommand{\cvInterestsProfessional}{-}{%
951 \cv@interestSection{\faBriefcase\ \emph{%
952 \pgfkeysvalueof{/@cv/names/professional}}}%
953 }}
954 \ifcv@interestLong
955 \cv@definecvInterestLong
956 \else

```

```

957 \cv@definecvInterestShort
958 \fi
959 %%%%
960 \vspace{\cvSectionSBSep}
961 \ruleline{\pgfkeysvalueof{/@cv/names/interests}}%
962 \vspace{\cvSectionSBSep}
963 }{%
964 \cv@interestClose
965 \global\cv@interestContentfalse
966 }
967 \ExplSyntaxOff

```

---

cvProject environment

```

968 \newif\ifcv@projectImage
969 \cv@projectImagefalse
970 \newif\ifcv@projectLink
971 \cv@projectLinkfalse
972 \newif\ifcv@projectWidth
973 \cv@projectWidthfalse
974 \newif\ifcv@projectHeight
975 \cv@projectHeightfalse
976 \newcounter{cv@projectCurrent}
977 \setcounter{cv@projectCurrent}{1}
978 \newcounter{cv@projectPrevious}
979 \setcounter{cv@projectPrevious}{0}
980 \define@key{cv@Project}{image}{%
981 \global\def\cv@projectImage{#1}%
982 \cv@projectImagetrue}
983 \define@key{cv@Project}{link}{%
984 \global\def\cv@projectLink{#1}%
985 \cv@projectLinktrue}
986 \define@key{cv@Project}{width}{%
987 \global\def\cv@projectWidth{#1}%
988 \cv@projectWidthtrue}
989 \define@key{cv@Project}{height}{%
990 \global\def\cv@projectHeight{#1}%
991 \cv@projectHeighttrue}
992 \NewDocumentCommand{\cv@definecvProject}{-}{
993 \NewDocumentCommand{\cvProject}{omm}{%

```

default settings

```

994 \cv@projectImagefalse
995 \cv@projectLinkfalse
996 \cv@projectWidthfalse
997 \cv@projectHeightfalse

```

parse optional arguments

```

998 \@IfNoValueOrEmptyTF{##1}{-}{\setkeys{cv@Project}{##1}}

```

```

999     \ifnodedefined{project \the\value{cv@projectPrevious} %
1000     description}{\%
1001     \node (project \the\value{cv@projectPrevious} %
1002     description) {};}
1003 }
draw image
1004 \ifcv@projectImage
1005     \ifcv@projectWidth
1006         \node[below=\cv@projectSep of project %
1007         \the\value{cv@projectPrevious} description]
1008         (project \the\value{cv@projectCurrent} image)
1009         {\includegraphics[width=\cv@projectWidth]{\cv@projectImage}};
1010     \else
1011         \ifcv@projectHeight
1012             \node[below=\cv@projectSep of project %
1013             \the\value{cv@projectPrevious} description]
1014             (project \the\value{cv@projectCurrent} image)
1015             {\includegraphics[height=\cv@projectHeight]{\cv@projectImage}};
1016         \else
1017             \ClassError{limecv}{No width or height specified, %
1018             but image specified.}{Always specify the height or %
1019             width if an image is set.}
1020         \fi
1021     \fi
draw title (and add href if specified)
1022     \node[%
1023     text width=\cvSideWidth,
1024     align=center,
1025     below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} %
1026     image]
1027     (project \the\value{cv@projectCurrent} title) {%
1028     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
1029     \else
draw title (and add href if specified)
1030     \node[below=\cv@projectSep of project %
1031     \the\value{cv@projectPrevious} description,
1032     text width=\cvSideWidth,
1033     align=center]
1034     (project \the\value{cv@projectCurrent} title) {%
1035     \ifcv@projectLink \href{\cv@projectLink}{##2} \else ##2 \fi };
1036     \fi
1037     \node[
1038     below=\cvProjectDetailsSep of project \the\value{cv@projectCurrent} title,
1039     text width=\cvSideWidth,
1040     align=center]
1041     (project \the\value{cv@projectCurrent} description) {##3};
1042
1043     \setlength\cv@projectSep\cvItemSep

```



```

increase counter value
1044     \stepcounter{cv@projectCurrent}
1045     \stepcounter{cv@projectPrevious}
1046 }
1047 }

1048 \NewDocumentEnvironment{cvProjects}{ }{%
1049     \vspace{\cvSectionSBSep}
1050     \ruleline{\pgfkeysvalueof{/@cv/names/projects}}%
1051     \vspace{\cvSectionSBSep}
1052     \cv@definecvProject
1053     \begin{tikzpicture}[every node/.style={inner sep=0cm,outer sep=0cm}]
1054 }{
1055     \end{tikzpicture}
1056 }



---


cvLanguages environment
1057 \newcounter{cv@languages}
1058 \setcounter{cv@languages}{1}
1059 \pgfkeys{/@cv/languages/.is family,
1060 /@cv/languages/.unknown/.style = {%
1061     \pgfkeyscurrentpath/\pgfkeyscurrentname/.initial = #1}}
1062
1063 \newif\ifcv@languagerating
1064 \cv@languageratingtrue
1065 \NewDocumentEnvironment{cvLanguages}{ o }{%
1066     \IfNoValueTF{#1}{
1067         \NewDocumentCommand{\cvLanguage}{mm}{%
1068             {\globaldefs=1\relax\pgfkeys{%
1069                 /@cv/languages/lang\the\value{cv@languages} = ##2}}
1070             \node[cv@languageText]{##1}; \pgfmatrixnextcell %
1071             \node[cv@progressArea] (cv@language \the\value{cv@languages}) {}; \\
1072             \stepcounter{cv@languages}
1073         }%
1074         \cv@languageratingtrue
1075     }{
1076         \NewDocumentCommand{\cvLanguage}{m}{%
1077             \node[cv@languageText]{##1}; \\
1078             \stepcounter{cv@languages}
1079         }%
1080         \cv@languageratingfalse
1081     }
1082     \vspace{\cvSectionSBSep}
1083     \ruleline{\pgfkeysvalueof{/@cv/names/languages}}%
1084     \vspace{\cvSectionSBSep}
1085     \begin{tikzpicture}[%
1086         every node/.style={text depth=0pt,inner sep=0pt,outer sep=0pt}]
1087     \ifcv@languagerating
1088     \matrix [%

```

```

1089     column 1/.style={anchor=east},
1090     column sep=1.5\cvSectionSBSep,
1091     row sep=1.5\cvSectionSBSep,
1092     column 2/.style={anchor=west,align=left}
1093 ] (contact) \bgroup
1094 \else
1095 \matrix [%
1096     column sep=1.5\cvSectionSBSep,
1097     row sep=1.5\cvSectionSBSep,
1098     column 2/.style={anchor=west,align=left}
1099 ] (contact) \bgroup
1100 \fi
1101 }{%
1102   \\egroup;
1103   \ifcv@languagerating
1104   \newcounter{cv@languagelevel}
1105   \setcounter{cv@languagelevel}{1}
1106   \loop\ifnum\value{cv@languagelevel}<\value{cv@languages}
1107     \draw (cv@language \the\value{cv@languagelevel}.west) %
1108     node[%
1109       cv@progressBar,
1110       minimum width=\pgfkeysvalueof{%
1111         /@cv/languages/lang\the\value{cv@languagelevel}}em]%
1112       {});
1113     \stepcounter{cv@languagelevel}
1114   \repeat
1115   \fi
1116   \end{tikzpicture}
1117 }

```

---

cvCoverLetter environment  
cover letter keys

```

1118 \define@key{cvCoverLetter}{name}{%

```

```

\cv@coverletterName

```

```

1119 \global\def\cv@coverletterName{#1}}

```

```

1120 \define@key{cvCoverLetter}{company}{%

```

```

\cv@coverletterCompany

```

```

1121 \global\def\cv@coverletterCompany{#1}}

```

```

1122 \define@key{cvCoverLetter}{position}{%

```

```

\cv@coverletterPosition

```

```

1123 \global\def\cv@coverletterPosition{#1}}

```

```

1124 \define@key{cvCoverLetter}{address line 1}{%

```

```

\cv@coverletterAddressLineA
1125 \global\def\cv@coverletterAddressLineA{#1}}

1126 \define@key{cvCoverLetter}{address line 2}{%

\cv@coverletterAddressLineB
1127 \global\def\cv@coverletterAddressLineB{#1}}

1128 \define@key{cvCoverLetter}{address line 3}{%

\cv@coverletterAddressLineC
1129 \global\def\cv@coverletterAddressLineC{#1}}
1130 \NewDocumentCommand{\cv@definecvBeneficiary}{-}{
1131   \NewDocumentCommand{\cvBeneficiary}{m}{%
1132     \setkeys{cvCoverLetter}{name={},company={},
1133       position={},address line 1={},address line 2={},
1134       address line 3={},##1}
1135     \begin{tabular}{@{}l}
1136       \IfNoValueOrEmptyTF{%
1137         \cv@coverletterName}{-}{%
1138         \MakeUppercase{\cv@coverletterName}} %
1139       \IfNoValueOrEmptyTF{%
1140         \cv@coverletterCompany}{-}{\ %
1141         \cv@coverletterCompany} %
1142       \IfNoValueOrEmptyTF{%
1143         \cv@coverletterPosition}{-}{\ %
1144         \cv@coverletterPosition} %
1145       \IfNoValueOrEmptyTF{%
1146         \cv@coverletterAddressLineA}{-}{\ %
1147         \cv@coverletterAddressLineA} %
1148       \IfNoValueOrEmptyTF{%
1149         \cv@coverletterAddressLineB}{-}{\ %
1150         \cv@coverletterAddressLineB} %
1151       \IfNoValueOrEmptyTF{%
1152         \cv@coverletterAddressLineC}{-}{\ %
1153         \cv@coverletterAddressLineC} %
1154     \end{tabular}%
1155     \vspace{\cvMargin}
1156   }
1157 }

1158 \NewDocumentCommand{\cv@definecvFullName}{-}{
1159   \NewDocumentCommand{\cvFullName}{-}{%
1160     \pgfkeysvalueof{/cv/info/first name} %
1161     \pgfkeysvalueof{/cv/info/last name}
1162   }
1163 }

1164 \NewDocumentEnvironment{cvCoverLetter}{-}{%
1165   \newgeometry{textwidth=\cvCoverLetterWidth,noheadfoot}
1166   \begin{tikzpicture}[%

```

```

1167     remember picture,
1168     overlay,
1169     every node/.style={inner sep=0cm,outer sep=0cm}]

draw green background

1170   \begin{scope}[on background layer]
1171     \fill[cvGreenLight] (current page.north west) rectangle %
1172       ++(\paperwidth,-\cvCoverLetterHeight);
1173   \end{scope}
1174   \draw (current page.north east) %
1175     ++(-0.5\paperwidth+0.5\cvCoverLetterWidth,
1176       -\cvCoverLetterHeight/2) node (cv@h7) {};
1177   \node[%
1178     anchor=east,
1179     align=flush right,
1180     text width=\textwidth] at (cv@h7) (cv cover letter name){%
1181     \fontsize{50}{60}\selectfont

trick to expand argument such that 'kleft' sees an alphabetic constant (i.e. a single
letter)

1182     \begingroup\edef\y{\endgroup%
1183       \noexpand\kleft{\cv@FirstNameLetter}}%
1184     \y
1185     \StrGobbleLeft{\pgfkeysvalueof{/@cv/info/first name}}{1}\space
1186     \StrGobbleRight{\pgfkeysvalueof{/@cv/info/last name}}{1}

same trick to expand argument such that 'kleft' sees an alphabetic constant
(i.e. a single letter)

1187     \begingroup\edef\y{\endgroup%
1188       \noexpand\kright{\cv@LastNameLetter}}%
1189     \y
1190   };
1191   \node[%
1192     align=right,
1193     cvAccent,
1194     below=\cvCoverLetterPositionSpacing of cv cover letter name.south east,
1195     anchor=north east]{%
1196     \StrGobbleRight{\pgfkeysvalueof{/@cv/info/position}}{1}
1197   \begingroup\edef\y{\endgroup%
1198     \noexpand\kright{\cv@PositionLetter}}%
1199   \y};
1200
1201   \begin{scope}[on background layer]
1202     \draw[line width=\cvCoverLetterLineWidth,cvGreen]
1203       ($(cv cover letter name.south west)+(0,-\cvCoverLetterLineSpacing)$) to
1204       ($(cv cover letter name.south east)+(0,-\cvCoverLetterLineSpacing)$);
1205   \end{scope}
1206   \end{tikzpicture}
1207   \vspace{\dimexpr\cvCoverLetterHeight-1in-\topmargin\relax}
1208
1209   \today

```

```

1210
1211 \vspace{\baselineskip}
1212 \cv@definecvBeneficiary
1213 \cv@definecvFullName
1214 }{%
1215 \restoregeometry
1216 }



---


cvID macro
1217 \pgfkeys{/@cv/info/.is family,
1218           /@cv/info/.unknown/.style = %
1219           {\pgfkeyscurrentpath/\pgfkeyscurrentname/%
1220           .initial = #1}}

first name, second name, picture, position
1221 \NewDocumentCommand{\cvID}{\mmmm}{
1222   \@IfNoValueOrEmptyTF{#3}{\{
1223     \begin{tikzpicture}
1224       \node[
1225         circle,
1226         text=white,
1227         minimum size=\cvPictureWidth,
1228         path picture={
1229           \node at (path picture bounding box.center){
1230             \includegraphics[width=\cvPictureWidth]{#3}
1231           };
1232         }
1233       ]{};
1234     \end{tikzpicture}}\{
1235   }
1236   {\LARGE
1237     \vspace{\cvIDNameSep}
1238     \color{cvAccent} #1
1239     \vspace{\cvIDNameSep}
1240     \color{cvAccent} #2}
1241
1242   \vspace{\cvPositionSep}
1243
1244   \@IfNoValueOrEmptyTF{#4}{\{\color{cvAccent} #4}
1245
1246   \vspace{\cvPositionSep}
1247   {\globaldefs=1\relax\pgfkeys{/@cv/info/first name = %
1248     #1}\def\cv@FirstNameLetter{\extract{#1}{1}}}
1249   {\globaldefs=1\relax\pgfkeys{/@cv/info/last name = %
1250     #2}\def\cv@LastNameLetter{\extract{#2}{-1}}}
1251   {\globaldefs=1\relax\pgfkeys{/@cv/info/position = %
1252     #4}\def\cv@PositionLetter{\extract{#4}{-1}}}
1253 }

```

# Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in **roman** refer to the code lines where the entry is used.

```

AddToKeyvalOption= \subitem *+AddToKeysabhpemoffBpBantuer+, \subitem refBName+, 686, 727, 74
advance= \subitem **\advance+ \subitem infAPestCWeek+, 855, 884, 864 refBPhoneWork+, 70
arraybackslash= \subitem intetvarfaybackslash+, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 153
```

```

cvItemSep= \subitem **\cvItemSep+, 215, 11206, 349, 1355= 367, \subitem **\cvItemSep+, 1043
cvLanguage= \subitem **\cvLanguage+, 12067, 12076 faTwitter= \subitem **\faTwitter+, 829
cvList= \subitem **\cvList+, 572, \subitem **\cvList+, 503= 503 \subitem **\faUser+, 949
cvMainWidth= \subitem **\cvMainWidth+, 107, 205, 321, 1091, 1226, 47, 2067, 12670, 7097, 6761, 6791, 6821, 6835
cvMargin= \subitem **\cvMargin+, 104, 2084, 2087, 208, 110, 22, \subitem **\cvMargin+, 175, 1659, 7770, 178, 190, 52
773, 775, 1155 700, 703, 706, 791, 798,
cvNodeSep= \subitem **\cvNodeSep+, 980, 983 808, 860, 866,
cvPictureWidth= \subitem **\cvPictureWidth+, 223, 224, 1227, 876, 1230 880,
cvPositionSep= \subitem **\cvPositionSep+, 255, 256, 1242, 1245, 958,
cvProgressAreaHeight= \subitem **\cvProgressAreaHeight+, 124, 131, 1021, 1024
cvProgressAreaWidth= \subitem **\cvProgressAreaWidth+, 123, 225, 228
cvProject= \subitem **\cvProject+, 993 \subitem **\dimexpr+, 103, 1207 1100, 1115
cvProjectDetailsSep= \subitem **\cvProjectDetailsSep+, 260= 269 \subitem **\fill+, 755, 758, 766, 769,
cvSBSectionLineWidth= \subitem **\draw+, 307= 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 100
```

refAddressLineB= \subitem refAddressLineB+, 211, 212, 213, 203, 205, 207, 209, 211  
 refAddressLineC= \subitem refAddressLineC+, 213, 638, 732, 740, 747, 1249, 1251  
 refCompany= \subitem refCompany+, 227, 728, 742 pgfkeyscurrentname= \subitem \*\*\pgfkeyscurr  
 refEmail= \subitem refEmail+, 260, 735, 745, pgfkeyscurrentpath= \subitem \*\*\pgfkeyscurr  
 refMobilePhone= \subitem refMobilePhone+, 246, 734, 748 valueof= \subitem \*\*\pgfkeysvalueof+,  
 refName= \subitem refName+, 240, 725, 741, 1083, 1110,  
 refPosition= \subitem refPosition+, 240, 725, 743 1160, 1161,  
 refStored= \subitem refStored+, 255, 722, 259 1185, 1186, 1196  
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