

# The `simplecv` class\*

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## 1 Introduction

The `simplecv` document class is intended to provide a simple yet elegant way to write your curriculum vitae (resume). This is a repackaging of the `cv` class that has been available with L<sup>A</sup>T<sub>E</sub>X for a long time. The change of name has been made necessary by the existence of another `cv` class on CTAN.

Before I delve into the details, I would like to thank Amir Karger, Reuben Thomas and Dekel Tsur for their help and tips.

## 2 Basic Usage

### 2.1 Class options

The document class accepts some options (along with the usual `article` class ones). The first set allows to select a style (a set of fonts):

- `sf`    `sf`    (default) produce title and headers in sans serif fonts;
- `plain`   `plain`   produce all output with roman fonts.

The rest of the options may be useful according to one's tastes.

- `notopicbreak`   `notopicbreak`   do not add a line break after long topic labels;
- `contbibnum`    `contbibnum`   let the numbering of bibliography items be continuous when there are several thebibliography environments;
- `titleabove`    `titleabove`   output the title above the left and right headers, not below;
- `topictitle`    `topictitle`   let the first paragraph after each `\item` have font `\topictitlefont`, and therefore act as a kind of title.

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\*This document corresponds to `simplecv` v1.6, dated 2007/04/22.

## 2.2 The header of the CV

The macros below can be used to typeset the top of the CV.

<code>\lefthead</code>	<code>\lefthead[<i>&lt;pos&gt;</i>]{<i>&lt;text&gt;</i>}</code> defines what should appear in the upper left of the first page. <i>&lt;text&gt;</i> may contain <code>\\</code> to break lines. <i>&lt;pos&gt;</i> can be <code>l</code> , <code>r</code> or <code>c</code> and specifies the horizontal alignment (default is <code>l</code> ).
<code>\righthead</code>	<code>\righthead[<i>&lt;pos&gt;</i>]{<i>&lt;text&gt;</i>}</code> is like <code>\lefthead</code> , but for the upper right of the first page.
<code>\title</code>	<code>\title{<i>&lt;text&gt;</i>}</code> defines a title, that will appear centered below the headers (or above, if the <code>titleabove</code> option is used). <code>\maketitle</code> actually typesets the header.
<code>\maketitle</code>	

## 2.3 Topics

The CV is divided in topics (and in some cases subtopics). In order to introduce these, the `\section` and `\subsection` macros are reused.

<code>\section</code>	<code>\section{<i>&lt;text&gt;</i>}</code> gives a title for a new topic of the CV and <code>\subsection{<i>&lt;text&gt;</i>}</code> does the same for a sub-topic. There are no other sectioning levels.
<code>\subsection</code>	
<code>topic</code>	The <code>topic</code> environment begins an itemize-like environment where the argument of <code>\item[]</code> is typeset in font <code>\topiclabelfont</code> . A line break is automatically inserted if the label is too long to fit in the margin (this can be controlled by option <code>notopicbreak</code> ).

## 2.4 Miscellaneous

`thebibliography` The `simplecv` document class also has some support for bibliography. You can use the `thebibliography` environment as usual, in particular with BibTeX. The output is similar to the `topic` environment. If you separate your bibliography into several sections, you may want to use the `contbibnum` document class option.

Note that this class also has support for right-to-left languages, such as hebrew (courtesy Dekel Tsur).

## 3 Customization

You can modify directly the fonts used in the document by using the following macros. They take one parameter which is the font changing command.

<code>\headerfont</code>	<code>\headerfont</code> the font used in both headers. Defaults to sans serif.
<code>\titlefont</code>	<code>\titlefont</code> the font used for the title. Defaults to LARGE sans-serif semi bold condensed.
<code>\sectionfont</code>	<code>\sectionfont</code> the font used by <code>\section</code> when beginning a new topic. Defaults to sans-serif semi bold condensed.
<code>\subsectionfont</code>	<code>\subsectionfont</code> the font used by <code>\subsection</code> when beginning a new topic. Defaults to sans-serif semi bold condensed.

<code>\topiclabelfont</code>	<code>\topiclabelfont</code> the font used for the items' labels. Defaults to sans-serif slanted.
<code>\topictitlefont</code>	<code>\topictitlefont</code> the font used for the items' titles (with option <code>topictitle</code> ). Defaults to sans-serif slanted.
You can modify the following parameter using <code>\renewcommand</code>	
<code>\topicmargin</code>	<code>\topicmargin</code> the left margin inside topics. Defaults to 20% of the column width ( <code>0.20\columnwidth</code> ).

## 4 The Implementation

The fonts used in the layout

```

\sectionfont
\subsectionfont
\topiclabelfont
\topictitlefont
\headerfont
\titlefont
1 <{*class>
2 \newcommand{\sectionfont}[1]{\def\cv@sec@fnt{#1}}
3 \newcommand{\subsectionfont}[1]{\def\cv@ssec@fnt{#1}}
4 \newcommand{\topiclabelfont}[1]{\def\cv@tlab@fnt{#1}}
5 \newcommand{\topictitlefont}[1]{\def\cv@ttit@fnt{#1}}
6 \newcommand{\headerfont}[1]{\def\cv@hd@fnt{#1}}
7 \newcommand{\titlefont}[1]{\def\cv@tit@fnt{#1}}
for compatibility
8 \let\itemfont=\topiclabelfont

Some document class options.
9 \DeclareOption{sf}{
10   \sectionfont{\sffamily\fontseries{sbc}\selectfont}
11   \subsectionfont{\sffamily\fontseries{sbc}\selectfont}
12   \topiclabelfont{\sffamily\slshape}
13   \topictitlefont{\sffamily\slshape}
14   \headerfont{\sffamily}
15   \titlefont{\sffamily\fontseries{sbc}\selectfont\LARGE}
16 }
17 \DeclareOption{plain}{
18   \sectionfont{\bfseries}
19   \subsectionfont{\bfseries}
20   \topiclabelfont{\itshape}
21   \topictitlefont{\itshape}
22   \headerfont{}
23   \titlefont{\bfseries\LARGE}
24 }
25 \newif\if@cv@topic@title \@cv@topic@titlefalse
26 \DeclareOption{topictitle}{
27   \@cv@topic@titletrue
28 }
29 \newif\if@cv@topic@break \@cv@topic@breaktrue

```

```

30 \DeclareOption{notopicbreak}{
31   \@cv@topic@breakfalse
32 }
33 \newif\if@cv@cont@bib@num \@cv@cont@bib@numfalse
34 \DeclareOption{contbibnum}{
35   \@cv@cont@bib@numtrue
36   \newcounter{cv@save@bib@num}
37 }
38 \newif\if@cv@title@above \@cv@title@abovefalse
39 \DeclareOption{titleabove}{
40   \@cv@title@abovetrue
41 }
42 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
43 \ExecuteOptions{sf,letterpaper,10pt,oneside,onecolumn,final}
44 \ProcessOptions
45 \LoadClass{article}

```

Support for RTL (Hebrew). This will be defined and set by babel for RtL languages, but we define it here for the benefit of others.

```
46 \newif\if@rl
```

**\leftheader**    The left and right headers. These are just saved in macros for use by **\maketitle**.  
**\rightheader**

```

47 \newcommand{\leftheader}[2][1]{\def\cv@lh@lr{#1}\def\cv@lh{#2}}
48 \newcommand{\rightheader}[2][1]{\def\cv@rh@lr{#1}\def\cv@rh{#2}}

```

**\title**    The title (like “Curriculum Vitae” or the name of the author). It is just saved in a macro for use by **\maketitle**.

```
49 \renewcommand{\title}[1]{\def\cv@tit{#1}}
```

Default to empty.

```
50 \leftheader{}\rightheader{}\title{}
```

**\maketitle**    And now a command to actually show the headers

```

51 \newcommand{\cv@header}[2]{%
52   \if@rl%
53     \begin{tabular}[t]{t}{\@{\cv@hd@fnt\beginR}#1{\endR}}}%
54   \else%
55     \begin{tabular}[t]{t}{\@{\cv@hd@fnt}#1{}}}%
56   \fi%
57   #2%
58   \end{tabular}}
59 \newcommand{\cv@do@title}{\par\bigskip
60   \begin{center} \cv@tit@fnt\cv@tit\end{center}}
61 \renewcommand{\maketitle}{%
62   \if@cv@title@above\cv@do@title\fi
63   \par\noindent%
64   \begin{tabular*}{\textwidth}{@{}l@{\extracolsep{\fill}}l@{}}
65     \cv@header{\cv@lh@lr}{\cv@lh}&\cv@header{\cv@rh@lr}{\cv@rh}

```

```

66         \end{tabular*}
67         \par
68         \if@cv@title@above\else\cv@do@title\fi
69         \bigskip\par}

\section  Redefine \section to use \cv@sec@fnt
70 \renewcommand{\section}{
71   \@startsection{section}{1}{\z@}
72     {-3.5ex \@plus -1ex \@minus -.2ex}
73     {2.3ex \@plus .2ex}{\cv@sec@fnt}}

\subsection  Now the subsection
74 \renewcommand{\subsection}{
75   \@startsection{subsection}{1}{3em}
76     {-3.5ex \@plus -1ex \@minus -.2ex}
77     {2.3ex \@plus .2ex}{\cv@ssec@fnt}}

the other ones do not exist.
78 \let\subsubsection=\relax
79 \let\paragraph=\relax \let\subparagraph=\relax
we do not want any numbering
80 \setcounter{secnumdepth}{0}

\topicmargin  The left margin for topics
81 \newcommand{\topicmargin}{0.20\columnwidth}
82 \newlength{\t@picmargin}

topic  Define the topic environment.
      First the macros that typeset the label.
83 \newcommand{\@topic@makelabel}[1]{\cv@tlab@fnt #1\hfill}
84 \let\@topic@old@item=\@item
85 \newlength{\topic@label@length}
86 \def\@topic@item[#1]{%
87   \@topic@old@item[#1]%
88   \if@cv@topic@break%
89     \settowidth{\topic@label@length}{#1}%
90     \ifdim\topic@label@length>\labelwidth\mbox{}\\\*\fi%
91   \fi%
92   \if@cv@topic@title%
93     \mbox{}\cv@ttit@fnt%
94     \everypar\expandafter{\the\everypar \normalfont}%
95   \fi%
96 }
97 \newcommand{\@topic@setup}{%
98   \setlength{\t@picmargin}{\topicmargin}
99   \if@rl%
100     \setlength{\leftmargin}{0cm}%
101     \setlength{\rightmargin}{\t@picmargin}%

```

```

102         \else%
103             \setlength{\leftmargin}{\t@picmargin}%
104             \setlength{\rightmargin}{0cm}%
105         \fi%
106         \setlength{\labelwidth}{0.8\t@picmargin}%
107         \let\makelabel=\@topic@makelabel%
108     }
109 \newenvironment{topic}
110     {\list{
111         {\@topic@setup%
112         \let\@item=\@topic@item}}
113     {\endlist}

```

**thebibliography** Redefine the thebibliography environment to look like the topic environment. The argument of thebibliography is ignored. In older versions, the environment produced its own \section command, but this was removed in version 1.3 (following an idea of Reuben Thomas).

```

114 \renewenvironment{thebibliography}[1]
115 {\list{\@biblabel{\theenumiv}}{%
116     \@topic@setup%
117     \@openbib@code%
118     \usecounter{enumiv}%
119     \let\p@enumiv\@empty%
120     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
121     \if@cv@cont@bib@num%
122         \setcounter{enumiv}{\value{cv@save@bib@num}}%
123     \fi%
124     \sloppy \clubpenalty 4000 \widowpenalty 4000 \sfcode'\.=\@m}%
125 {\endlist%
126     \if@cv@cont@bib@num%
127         \setcounter{cv@save@bib@num}{\value{enumiv}}%
128     \fi}
129 </class>

```