The HEP-CV package*

Curricula vitae, cover letters and publication lists

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?

Abstract

The HEP-CV package and class provide a compact CV layout for academic applications. The package defines the left-column CV line and entry layout, list styling, month helpers, and bibliography support, while the class adds article-based CV defaults, contact and photo title pages, cover-letter helpers, section and page styles, and subfile support.

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1 Introduction

The HEP-CV package enables the user to write an appealing curriculum vitae (CV). The style is heavily influenced by the MODERNCV package [1]. In order to use the package layout macros the user has to load only the HEP-CV package in addition to the `article` class.

```
\documentclass{article}
\usepackage{hep-cv}
```

The source also provides a `hep-cv` class for complete CV documents and a `hep-cv-bibliography` module for CV bibliography layouts.

1.1 Options

`date` `list`

The `date` option switches to a compact CV date scheme: it defines the month macros described in section 2.2 and makes the bibliography module print months with these macros and years in the short form `'25`. Without it, the usual date scheme is kept. The `list=false` option prevents the package from adjusting the standard list environments.

2 Macros

`\setleftwidth` `\setseperatorwidth` `\cvline`

The layout can be tuned by setting the `\setleftwidth` and `\setseperatorwidth` macros.

The `\cvline[`⟨*left*⟩`]{`⟨*main*⟩`}` adds an unformatted line to the CV.

```
\cvline[left]{cvline example}
```

`\cventry`

The `\cventry[`⟨*left*⟩`]{`⟨*main 1*⟩`}[`⟨*main 2*⟩`]`⟨***⟩`[`⟨*...*⟩`]` macro adds a boldface entry to the CV. The contents passed to the following arguments alternate between upright and italic text. Starred optional arguments begin on a new line. For example:

```
\cventry[left]{cventry example}[one][two]*[starred three][four]
\cventry[left]{cventry example}[one]
\cventry[left]{cventry example}
```

2.1 Lists

`itemize` (*env.*) `enumerate` (*env.*) `description` (*env.*) `enumdescript` (*env.*)

The `itemize` environment is adjusted using the `enumitem` package [2]. The `enumerate` environment is adjusted. The `description` environment is adjusted. The `enumdescript` environment of the `hep-text` package [3] is adjusted.

2.2 Months

`\Jan` `\Feb` `\Mar` `\Apr` `\May` `\Jun` `\Jul` `\Aug` `\Sep` `\Oct` `\Nov` `\Dec`

With the `date` option, the month macros spread a short month name evenly across the width of 'May' in the current font and are intended for compact date columns. They are robust and print the plain month name in PDF strings such as bookmarks.

3 Class additions

The `hep-cv` class is based on `article` and loads the package layout with full-page CV defaults.

`font` `serif` `hyperref`

The class accepts a `font=`⟨*size*⟩ option (the standard size options `10pt`, `11pt` and `12pt` are

shortcuts for it), the `serif` option, and a `hyperref` switch that controls whether HEP-REFERENCE is loaded for PDF metadata and links.

`\address` `\addressfont` `\addcontactline`

The `\address{`⟨*text*⟩`}` macro stores contact information, `\addressfont` controls its font, and `\addcontactline{`⟨*text*⟩`}` appends additional contact material.

`\opening` `\closing`

The cover-letter helpers store opening and closing text, typeset a letter title and closing, and provide a `letter` environment that wraps one letter page.

`\makelettertitle` `\makeletterclosing` `letter` (*env.*)

The class title page uses `\author` for the name, optional `\photo{`⟨*file*⟩`}` material, `\addtitleline{`⟨*label*⟩`}{`⟨*text*⟩`}` for title metadata, and `\addcontactline` for contact metadata. The `\titlefont` and `\infofont` macros control the title and metadata fonts.

`\titlefont` `\infofont`

The class renames the abstract to 'Summary' and formats it in the CV left-column layout.

`\addtitleline` `\photo` `\maketitle` `abstract` (*env.*)

`\cvpart` `\insubfile`

The `\cvpart{`⟨*name*⟩`}` macro stores the current CV part for headers and PDF metadata, and `\insubfile{`⟨*code*⟩`}` emits ⟨*code*⟩ only when a subfile is compiled on its own with the SUBFILES class, e.g. `\insubfile{\cvpart{Education}}` in the preamble of a subfile. When the subfile is included in the main CV with `\subfile`, the code is ignored.

4 Bibliography

The bibliography module mirrors the standalone HEP-CV-BIBLIOGRAPHY package. It defines CV date sorting, section-level bibliography headings, left-column date and index helpers, and `unnumbered`, `numbered`, and `starrednumbered` bibliography environments for publication lists. The `date` option described above can also be given to the bibliography module, `\usepackage[date]{hep-cv-bibliography}`, which passes it on to HEP-CV, also if the `hep-cv` class has already loaded it.

References

[1] X. Danaux. 'The `moderncv` package: A modern curriculum vitae class' (2006). CTAN: `moderncv`.

[2] J. Bezos. 'Customizing lists with the `enumitem` package: Control layout of itemize, enumerate, description' (2003). CTAN: `enumitem`. URL: `texnia.com/enumitem.html`. GitHub: `jbezos/enumitem`.

[3] J. Hajer. 'The `hep-text` package: List and text extensions' (2021). CTAN: `hep-text`. DOI: `10.5281/zenodo.3606436`. GitHub: `janhajer/hep-paper`.