

The *nacv* class ^{*}

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Abstract

The *nacv* document class provides three basic features: a dates column, some tools for listing publications from a bib file, and some icons via *fontawesome* for contact info.

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^{*} v0.1.0 [2023/04/22], ctan.org/pkg/nacv, github.com/jessexknight/ut-thesis
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1 Usage

```
\documentclass[<options>]{nacr}
```

2 Implementation

```

1 % options
2 \RequirePackage{kvoptions}
3 \SetupKeyvalOptions{family=nacv,prefix=nacv@}
4 \DeclareStringOption[0ex]{itemsep}
5 \DeclareStringOption[--]{datesep}
6 \DeclareStringOption[4em]{datewid}
7 \DeclareStringOption[1em]{dategap}
8 \DeclareStringOption[35mm]{margin}
9 \DeclareBoolOption[true]{bibnamebold}
10 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
11 \ExecuteOptions{}
12 \ProcessKeyvalOptions*
13 \ProcessOptions\relax
14 \LoadClass{article}
15 % packages
16 \RequirePackage[nomarginpar,margin=\nacv@margin]{geometry}
17 \RequirePackage{calc}
18 \RequirePackage{fontawesome5}
19 % misc lengths
20 \setlength\parindent{0pt}
21 \setlength\parskip{0pt}
22 \newlength\nacv@w@itemsep
23 \setlength\nacv@w@itemsep{\nacv@itemsep}
24 \newlength\nacv@w@bullet
25 % date lengths
26 \newlength\nacv@w@date
27 \newlength\nacv@w@datesep
28 \newlength\nacv@w@dategap
29 \newlength\nacv@w@datex
30 \newlength\nacv@w@afterdatex
31 \newcommand{\nacv@w@update}[1]{%
32   \setlength\nacv@w@datex{\dimexpr#1}%
33   \setlength\nacv@w@afterdatex{\dimexpr\linewidth-\nacv@w@datex-\nacv@w@dategap}}
34 \newcommand{\nodate}{\nacv@w@update{-\nacv@w@dategap}}
35 \newcommand{\onedate}{\nacv@w@update{\nacv@w@date}}
36 \newcommand{\twodate}{\nacv@w@update{2\nacv@w@date+\nacv@w@datesep}}
37 \AtBeginDocument{%
38   \setlength\nacv@w@bullet{\widthof{\bulletsymbol}}%
39   \setlength\nacv@w@date{\nacv@datewid}%
40   \setlength\nacv@w@datesep{\widthof{\nacv@datesep}}%
41   \setlength\nacv@w@dategap{\nacv@dategap}%
42   \twodate}
43 % date boxes
44 \newcommand{\ifempty}[3]{\if\relax\detokenize{#1}\relax#2\else#3\fi}
45 \newcommand{\datestr}[2]{\datestyle\strut%
46   \ifempty{#1}{\hfill#2}{#1\hfill\nacv@datesep\hfill#2}}
47 \newcommand{\datebox}[3]{%
48   \ifdim\nacv@w@datex<0pt\hskip\nacv@w@datex\fi%
49   \parbox[t]{\nacv@w@datex}{\datestr{#1}{#2}}%
50   \hskip\nacv@w@dategap%
51   \parbox[t]{\nacv@w@afterdatex}{\strut#3\strut}\par}
52 \newcommand{\dated}[4][\nacv@w@itemsep]{\par%
53   \addvspace{#1}\datebox{#2}{#3}{#4}\par}
54 \renewcommand{\bullet}[1][\nacv@w@itemsep]{\par%

```

```

55 \addvspace{#1}\hskip\dimexpr\nacv@w@datex+\nacv@w@dategap%
56 {\bulletsymbol}\hskip\labelsep\ignorespaces}
57% name & title
58\newcommand{\name}[2]{
59 \gdef\nacv@name@given{#1}
60 \gdef\nacv@name@family{#2}}
61\name{(First)}{(Last)}
62\renewcommand{\title}[1]{
63 \gdef\nacv@title{#1}}
64\title{(Title)}
65% contact info & icons
66\newcommand{\nacv@contact@data}{ }
67\newcommand{\nacv@icon}[1]{%
68 \parbox{1em}{\centering\small\ifempty{#1}{~}{\faIcon{#1}}}}
69\newcommand{\nacv@iconlink}[3]{%
70 \ifempty{#1}{#3~\nacv@icon{#2}}{\href{#1#3}{#3~\nacv@icon{#2}}}}
71\newcommand{\contact}[3][ ]{%
72 \g@addto@macro\nacv@contact@data{\nacv@iconlink{#1}{#2}{#3}\par}}
73% TODO: \contact*{site}{id} -> \contact[https://site.com]{site}{id}
74% https://tex.stackexchange.com/questions/4386
75% maketitle
76\renewcommand{\maketitle}{%
77 \thispagestyle{empty}%
78 \parbox[t]{\textwidth}{%
79 {\namestyle\nacv@name@given~\nacv@name@family}\par%
80 \addvspace{1ex}%
81 {\titlestyle\nacv@title}\par}%
82 \hspace{-\textwidth}%
83 \parbox[t]{\textwidth}{%
84 \raggedleft\contactstyle\nacv@contact@data\par}}
85% bib stuff
86\RequirePackage[
87 backend=biber,
88 sorting=symd,
89 style=numeric,
90 defernumbers=true,
91]{biblatex}
92\DeclareSortingTemplate{symd}{
93 \sort{direction=descending}{\field{sortyear}\field{year}}
94 \sort{direction=descending}{\field{month}}
95 \sort{direction=descending}{\field{day}}}
96\newcommand{\nacv@mkbibname}[1]{\ifthenelse{%
97 \equal{\nacv@name@given}{\namepartgiven} \AND
98 \equal{\nacv@name@family}{\namepartfamily} \AND
99 \boolean{\nacv@bibnamebold}}{%
100 {\mkbibbold{#1}}{#1}}
101\let\mkbibnamegiven\nacv@mkbibname
102\let\mkbibnamefamily\nacv@mkbibname
103\setlength{\biblabelsep}{\labelsep}
104\DeclareFieldFormat{labelnumberwidth}{#1\addot\hfill}
105\newcommand{\publications}[2][ ]{\nocite{#1}\par%
106 \addvspace{\nacv@w@itemsep}%
107 \printbibliography[resetnumbers=true,heading=none,#2]}
108% hyperref hack: https://tex.stackexchange.com/questions/484088
109\AtEndOfClass{\ifx\ver@hyperref\relax\else\newcommand{\href}[2]{#2}\fi}
110% hooks

```

```
111 \renewcommand{\@secntformat}[1]{  
112 \newcommand{\datestyle}{\normalfont}  
113 \newcommand{\contactstyle}{\normalsize}  
114 \newcommand{\namestyle}{\huge}  
115 \newcommand{\titlestyle}{\normalsize}  
116 \newcommand{\bulletsymbol}{\textbullet}
```