

%!PS-Adobe-2.0
(This CV is a PostScript Quine.)
(Copy & paste it as a .ps file to reproduce itself.)

~ Frederic ~ Kettelhoit

- Berlin, Germany; kettelhoit@gmail.com; github.com/fkettelhoit
- German (native), English (fluent), French (B2), Italian (B2)

~ Experience # Staff Engineer (Rust), SINE e.V.: 01/2022-ongoing

- Implementation of cryptographic Multi-Party Computation engine
- Design and implementation of programming language for Multi-Party Computation
- Development of data exchange specifications used by several large multinationals
- Onboarding and mentoring of junior developers

Technical PhD Work, U of Kassel & Wittgenstein Archives Bergen: 11/2018-03/2022

- Development of document platform & similarity search for Wittgenstein XML corpus
- Implementation of custom document database & custom n-gram based search index
- Presentation of the platform at conferences in Warsaw, Poland; Bergen, Norway

Tech Lead Data, Talentbay/GraduGreat GmbH: 07/2020-03/2021

- Coordination & development of external academic data sources
- Communication with data partners, business stakeholders & freelancers
- Academic data pipeline using Python, Databricks & Microsoft Academic Graph

Lead Backend Developer (Java), Propertybase GmbH: 06/2013-07/2017

- Maintenance & extension of legacy Real Estate CRM in Salesforce/Apex
- Development of tooling to switch from manual monthly to automatic daily deployments
- Development of custom toolchain & Java-to-Apex compiler, enabling easier hiring

Software Developer (Freelancing) 05/2012-06/2013, 02/2018-06/2018

- Development of recommendation engine using Clojure & Elasticsearch
- Development of pharmaceutical report generator backend using Clojure
- Development & spec of template-based audit checklist for Android
- UX design & REST API spec for visualisation of nursing care sensors
- UX design of tablet-based control center for nursing care beds

~ Projects # Creator of Open Source AssemblageDB: 11/2019-ongoing

- Distributed document platform for connected & backlinked text corpora
- Custom KV store, distributed document/graph DB + search index (Rust)

Technical Contributor, Ludwig Wittgenstein Project: 01/2022-ongoing

- Implementation of data pipeline to generate Markdown + Ebooks versions

~ Education # PhD in Philosophy, University of Kassel: 11/2018-07/2022

- "Consistency & Computation. Wittgenstein on the Diagonal Argument", summa cum laude

B.A in Philosophy & French Philology, Free University of Berlin (FU): 10/2014-09/2018

- Grade: 1,2 (97%, Philosophy), 2,2 (80%, French), 6 semesters, in parallel with full time work

M.Sc in Computer Science, University of Munich (LMU): 04/2011-04/2012

- Grade: 1,32 (95%), in 2 instead of 4 semesters, in parallel with B.Sc Media Informatics

B.Sc in Media Informatics, University of Munich (LMU): 10/2009-03/2012

- Grade: 1,58 (90%), in 5 instead of 6 semesters, in parallel with M.Sc Computer Science

```
)( /!{def}def /-{exch}! /?{- !}! /+{add}! /-{sub}! /@{get}! /${put}! /@@{getinterval}! /${putinterval}! /#{length}! /.{pop}! /@?{anchorsearch}!  
/mv{moveto}! /typeface{findfont}! /scalefont setfont! /clr{setgray}! /code ? /cv ? /p2 ? /pl ? /top 810 ! /marg 105 ! /page {595 842}! << /PageSize  
page >> setpagedevice /trim{/str ? /out str # string ! /del 0 ! /blank false ! 0 1 str # 1 -{/i ? str i @ /s ? s 16#0a eq s 16#20 eq or{ blank{/del  
del 1 + !}{out i del - 16#20 $}ifelse /blank true ! }{ out i del - str i @ $ /blank false ! }ifelse }for out 0 str # del - @@ }! /parse{/str  
? /l 0 ! /r 0 ! /s 3 ! /out{[ s l r gt{0}{r l -}ifelse str l i l - @@ }! mark 0 1 str #{/i ? /rest str i str # i - @@ ! rest(-) @?{. out - /l  
i ! /s 3 !}if . rest(@?{. l r le{out - /l i !}if /r i ! /s 2 !}if . rest(-) @?{. out - /l i ! /r i ! /s 1 !}if . }for /i str # ! out counttomark  
array astore }! /render{/y top ! .6 clr{ aload . /str ? /i ? /s ? /font s 3 eq{33}{11}ifelse ! s 3 eq{/y y font .4 mul + }if s 2 eq{0 clr}  
if s 1 eq{.4 clr}if font s 1 eq{/Helvetica}{/Helvetica-Bold}ifelse typeface /offset str 0 i @@ stringwidth . l s 2 eq{/y y font - !}if marg offset  
- y font - mv str show /y y font 1.2 mul - ! }forall }! cv trim parse render /+{/r ? /l ? /j l # r # + string ! j 0 1 $ $ j l # r $ $ j }! /quine{  
/c ? /q <202928> c ++ <29> ++ ( dup cvx exec ) ++ ! .6 clr /font 6 ! marg top mv font /Courier typeface (%!PS-Adobe-2.0) show marg top font -  
mv <28> pl ++ <2920> ++ show marg top font 2 mul - mv <28> p2 ++ <2928> ++ show /y 95 ! /l 0 ! /marg 20 ! 0 1 q # 1 -{/i ? q i @ ( ) 0 @ eq i  
l - 140 gt and i q # 1 - eq or{ marg y font - mv q l i l - @@ show /y y font - ! /l i ! }if }for }! code trim quine showpage) dup cvx exec
```