

# Benjamin Stürz

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## Projects

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- FUSE UFSv2 Filesystem (GSoC 2024 Projekt)
- RISC-V Linux Userspace Emulator for UNIX
- FUSE procs Filesystem for OpenBSD
- lsblk(8) clone for OpenBSD
- RISC-V CPU in Verilog
- Portable C Compiler

You can find a more complete list of personal project here:  
<https://stuerz.xyz/projects>

## Skills

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**Assembly** x86, ARM, MIPS, RISC-V, Cosmos CP1

**Hardware** Verilog, Altera Quartus Prime & ModelSim

**Programming Languages** Rust, C, C++, Haskell, Forth

**Scripting Languages** Bash, POSIX Shell, Perl, Lua, Awk

**Markup** HTML, CSS,  $\LaTeX$

**Tools** Emacs, Vim, Git, Make

**Operating Systems** OpenBSD & Linux — Software Development & Administration

**Other** Compiler Construction, CPU Design, Embedded-Development

## Work

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**2023-2024** Working Student, PF IT Consult GmbH, Brandenburg an der Havel

**2021** Holyday Job, Max-Planck-Institut, Berlin

**2019** Internship Civil Engineering, Frist & Faust, Berlin

**2018** Internship Accounting, Arabesque Berlin

## Education

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**2023-2026** B.Sc. Informatik, TH-Brandenburg, Brandenburg an der Havel

**2020-2023** Abitur, Lise-Meitner OSZ, Berlin, main courses: CS & Physics

**2016-2020** Mittlerer Schulabschluss, Hermann-von-Helmholtz-Schule, Berlin

## Languages

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**German** Native

**English** Fluent

**Russian** Native

## Other

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- RISC-V CPU in Verilog, 2. Place Jugendforscht Math/CS 2021, Berlin Britz-Süd
- Talk about "Introduction into Compiler Construction", Chemnitzer-Linux-Tage 2024, German
- Talk about "Visualization of lexical automata", Programming Languages Workshop Bad Honnef 2024, English