

Benjamin Stürz

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Projects

- Porting 2.11BSD to the PC/AT (80286)
- FUSE UFSv2 Filesystem (GSoC 2024 Projekt)
- RISC-V Linux Userspace Emulator for UNIX
- 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

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

2024 Working Student, Evologics GmbH, Berlin

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

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

German Native

English Fluent

Russian Native

Other

- 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