

Aleksa Vuckovic

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git: git.vuckovic.cc

Pancevo, Serbia

github: github.com/aleksav013

Experience

Microsoft

Software Engineer

- Azure SQL MI Networking & Connectivity

Software Engineering Intern

- Word Online, modularizing a legacy monolith with dependency injection

Software Engineering Intern

- Word Native, using LLVM, AI and ADO to improve the documentation process

Tenstorrent

Software Engineering Intern

- Integrated JTAG into a debugger for PCIe cards used in AI acceleration

Belgrade, Serbia

March 2026 – Present

November 2025 – March 2026

March 2025 – July 2025

October 2024 – December 2024

Belgrade, Serbia

Education

School of Electrical Engineering

Bachelor's Degree in Software Engineering GPA 9.29/10.00

October 2022 – June 2026

Belgrade, Serbia

Mathematical Grammar School

GPA 4.94/5.00

September 2018 – June 2022

Belgrade, Serbia

Projects

RISC-V rv32im emulator & bare-metal DOOM (1993) port

Part of an FPGA team project (FPGA CPU+GPU simulator/debugger/profiler)

June 2024 – July 2024

x86_64 SMP kernel (mykernel64)

x86_64 kernel with Symmetric Multiprocessing support

August 2022 – February 2023

Awards & Honors

Annual Award of the Mathematical Institute of the Serbian Academy of Sciences and Arts, for the best graduation thesis of the Mathematical Grammar School in Belgrade, in the field of computing

For the thesis "x86 32bit kernel" (in Serbian), featuring mykernel

June 2022

Belgrade, Serbia

Recent Competitions

European Cyber Security Challenge

Participated as captain

2nd prize (guest teams), in charge of hardware

Participated, in charge of hardware

Serbian National Team

October 2025, Warsaw, Poland

October 2023, Hamar, Norway

September 2022, Vienna, Austria

Serbian Cyber Security Challenge

2nd prize as part of the team "mylittLEpwny" (team captain)

May 2024

Belgrade, Serbia

60+ CTF competitions

Actively participating as part of the team "CyberHero" - CTFtime

March 2023 – Present

online

National Competition in Informatics

Participated

April 2022

Belgrade, Serbia

Skills & Interests

Interests: Operating Systems, Hacking, Low Level Programming, Cryptography, Networking

Selfhosting: web, git & mail server

Programming languages: C, X86 & RISC-V Assembly, Bash, C++, SQL, Python

Languages: Serbian (native), English