

# Aleksa Vuckovic

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Pancevo, Serbia

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## Experience

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<b>Microsoft</b> <i>Software Engineering Intern</i>	November 2025 – March 2026 <i>Belgrade, Serbia</i>
<b>Microsoft</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>Word Native, using LLVM, AI and ADO to improve the documentation process</li></ul>	March 2025 – July 2025 <i>Belgrade, Serbia</i>
<b>Tenstorrent</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>Integrated JTAG into a debugger for PCIe cards used in AI acceleration</li></ul>	October 2024 – December 2024 <i>Belgrade, Serbia</i>

## Education

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<b>School of Electrical Engineering</b> <i>Bachelor's Degree in Software Engineering GPA 9.4/10.0</i>	October 2022 – June 2026 <i>Belgrade, Serbia</i>
<b>Mathematical Grammar School</b> <i>GPA 4.94/5.0</i>	September 2018 – June 2022 <i>Belgrade, Serbia</i>

## Projects

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<b>RISC-V rv32im emulator &amp; bare-metal DOOM (1993) port</b> <i>Part of an FPGA team project (FPGA CPU+GPU simulator/debugger/profiler)</i>	June 2024 – July 2024
<b>x86_64 SMP kernel (mykernel64)</b> <i>x86_64 kernel with Symmetric Multiprocessing support</i>	August 2022 – February 2023

## Awards & Honors

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<b>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</b> <i>For the thesis "x86 32bit kernel" (in Serbian), featuring mykernel</i>	June 2022 <i>Belgrade, Serbia</i>
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## Recent Competitions

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<b>European Cyber Security Challenge</b> <i>Participated as captain of Serbian National Team</i>	October 2025 <i>Warsaw, Poland</i>
<b>Serbian Cyber Security Challenge</b> <i>2<sup>nd</sup> prize as part of the team "mylittLEpwny" (team captain)</i>	May 2024 <i>Belgrade, Serbia</i>
<b>European Cyber Security Challenge</b> <i>2<sup>nd</sup> prize (guest teams) as part of Serbian National Team (in charge of hardware)</i>	October 2023 <i>Hamar, Norway</i>
<b>European Cyber Security Challenge</b> <i>Participated as part of Serbian National Team (in charge of hardware)</i>	September 2022 <i>Vienna, Austria</i>
<b>60+ CTF competitions</b> <i>Actively participating as part of the team "CyberHero" - CTFtime</i>	March 2023 – Present <i>online</i>
<b>National Competition in Informatics</b> <i>Participated</i>	April 2022 <i>Belgrade, Serbia</i>

## Skills & Interests

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**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