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Summary

Computer Science student with strong low-level systems experience, leadership in software development teams, and proven delivery of production-ready applications. Passionate about performance, emulation, and impactful technical projects. My hobbies include aviation (Skydiver and future Pilot at Aeroclubul Romaniei), theater,

Education

B.Sc. in Computer Science GPA Year 1: 80/100; Honours Program, Top 2% of applicants, admitted with scholarship	<i>University of Bucharest</i> Oct 2024 – Jul 2027
Baccalaureate in Mathematics & Computer Science GPA: 92/100; Commercial Software Engineering Certification	<i>“Tudor Vianu” National College of Computer Science</i> Sept 2020 – Jul 2024

Experience

T.A., Tutor Teaching Computer System Architecture to year 1 CS and CE students	<i>University of Bucharest</i> October 2025 – June 2026
Software Engineering Intern, Team Manager Led a team of 3 interns to develop document processing systems.	<i>Soft31, Bucharest</i> Summer 2023
- Delivered continuous reply forms and case-handling apps used for automation and data exports. - Improved delivery time by 50% and team productivity through mentorship and task delegation. Tech: AngularJS, Java Spring Boot, Kafka, Elasticsearch, Docker, Jenkins, AWS.	
System Administrator Authored and maintained the electronic school system. Led website redesign.	<i>“Tudor Vianu” National College of Computer Science</i> Apr 2022 – Jul 2024
- Managed servers, DNS, reverse proxies, and automation using Docker and SystemD. Maintained publications. Tech: Linux, Docker, Nginx, ExpressJS, Cloudflare, Wordpress.	
Volunteer Teacher and Tutor Taught CS to children from disadvantaged backgrounds; created a successful computer science club.	<i>Centrul de zi “Sfanta Treime”</i> Spring 2023
Prepared lessons and engaging activities in CS, math, and languages.	

Projects

Nesem — Low-Level NES Emulator in C	<i>github.com/KoNickss/nesem</i>
- Built a functional 6502 CPU emulator and core NES components from scratch. - Gained deep understanding of system architecture, signal processing, runtime synchronization.	
Shopron Cafe Website & Loyalty App	<i>dulceshopron.ro</i>
Developed and deployed full-stack website with loyalty system for a local café. Handled deployment and maintenance.	
GreenByte Hackathon	
Organized a CTF-style hackathon during “Green Week” as a charitable environmental event.	

Achievements

- 10th place nationwide — National Cybersecurity Olympiad
- Bronze Medal — National Olympiad for Digital Creation & Innovation
- 3rd Prize — MateinfoUB Contest

Skills

Languages: Romanian (Native), English (C2 - Proficient), Italian (B1 - Intermediate)
Programming Languages: C, C++, Prolog, Haskell, Python, JavaScript, TypeScript, Bash, Assembly (x86, RISC-V)
Frameworks: AngularJS, Spring Boot, NodeJS, ExpressJS, .NET, Qt, WinForms
Systems & DevOps: Linux (Arch, Debian, NixOS, OpenBSD), Docker, SystemD, Nginx, Jenkins, AWS, Git
Security: Cryptography, OpenPGP, TLS/SSL, Digital Forensics, OSINT
Tools: TailwindCSS, Bootstrap, Electron, Vim, Docker Compose, Buildx, KeyCloak
Soft: Team leadership, Communication, Initiative, Adaptability, Problem-solving, Mentorship