

Ghiță Radu-Ioachim

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SUMMARY

Computer Science student with strong low-level systems experience and leadership in software development teams. Passionate about performance, emulation, and impactful technical projects. My hobbies include skydiving, aviation, theater, and reading.

EDUCATION

University of Bucharest <i>B.Sc. in Computer Science</i>	Bucharest, RO
• GPA: 8.0/10.0 Honours Program, Top 2% of applicants, admitted with scholarship.	Oct 2024 — Jul 2027
'Tudor Vianu' National College of Computer Science <i>Baccalaureate in Mathematics and Computer Science</i>	Bucharest, RO
• GPA: 9.2/10.0 Commercial Software Engineering Certification.	Sept 2020 — Jul 2024

EXPERIENCE

T.A., Tutor University of Bucharest	Oct 2025 — Present <i>Bucharest, RO</i>
• Teaching Computer System Architecture to year 1 CS and CE students.	
Software Engineering Intern, Team Manager Soft31	Jun 2023 — Aug 2023 <i>Bucharest, RO</i>
• Led a team of 3 interns to develop document processing systems.	
• 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.	
System Administrator 'Tudor Vianu' National College of Computer Science	Apr 2022 — Jul 2024 <i>Bucharest, RO</i>
• Authored and maintained the school's electronic voting system. Led website redesign efforts.	
• Managed servers, DNS, and automation using Docker and SystemD. Maintained publications.	
Teacher and Tutor Daycenter for Disadvantaged Youth 'Sf. Treime'	Mar 2023 — May 2023 <i>Bucharest, RO</i>
• Taught Computer Science, Mathematics and Languages to children from disadvantaged backgrounds, prepared lessons and engaging activities, opened a highly successful Computer Programming club.	

PROJECTS

Nesem - Low Level NES Emulator, written in C	github.com/KoNickss/nesem
• 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	dulceshopron.ro
• Developed, deployed and currently maintain a presentation website plus loyalty app for a cafe near my old highschool.	
GreenByte Hackthon	
• 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)
- **Computer Programming Languages:** C, C++, Prolog, Haskell, Python, JavaScript, TypeScript, Bash, Assembly (x86, RISC-V), Zsh, Java, Rust
- **Technologies:** UNIX, Linux (Arch, Debian, NixOS), *BSD, Docker, Nginx, Jenkins, Git, AngularJS, Java Spring Boot, NodeJS, ExpressJS, .NET, Qt, WinForms, TailwindCSS, Bootstrap, Electron, Vim, Docker Compose, Buildx, KeyCloak, AWS, Kibana, Jenkins, Cryptography, OpenPGP, TLS/SSL, Digital Forensics, OSINT
- **Soft:** Team leadership, Communication, Initiative, Adaptability, Problem-solving, Mentorshi