

# 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

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

## EXPERIENCE

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

## PROJECTS

<b>Nesem - Low Level NES Emulator, written in C</b> • Built a functional 6502 CPU emulator and core NES components from scratch. • Gained deep understanding of system architecture, signal processing, runtime synchronization.	<a href="https://github.com/KoNickss/nesem">github.com/KoNickss/nesem</a>
<b>Shopron Cafe Website &amp; Loyalty App</b> • Developed, deployed and currently maintain a presentation website plus loyalty app for a cafe near my old highschool.	<a href="https://dulceshopron.ro">dulceshopron.ro</a>
<b>GreenByte Hackthon</b> • Organized a CTF-style hackathon during “Green Week” as a charitable enviromental 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