

Ghiță Radu-Ioachim

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SUMMARY

Computer Science student with strong low-level systems experience and growing focus on high-performance, numerical and scientific computing, and logic. Passionate about performance, emulation, simulations, and impactful technical projects. My hobbies include skydiving, aviation, theater, and reading.

EDUCATION

University of Bucharest

B.Sc. in Computer Science

Bucharest, RO

Oct 2024 — Jul 2027

- GPA: 8.0/10.0 | Honours Program, Top 2% of applicants, admitted with scholarship.

'Tudor Vianu' National College of Computer Science

Baccalaureate in Mathematics and Computer Science

Bucharest, RO

Sept 2020 — Jul 2024

- GPA: 9.2/10.0 | Commercial Software Engineering Certification.

EXPERIENCE

T.A., Tutor

University of Bucharest

Oct 2025 — Present

Bucharest, RO

- Teaching Computer System Architecture to year 1 CS and CE students.

National Olympiad Committee Member & Subject Author

Applied Computer Science Olympiad "Acadnet"

Apr 2026 — May 2026

Bucharest, RO

- Authored and validated applied computer science subjects for the national Olympiad. Graded student submissions.

Software Engineering Intern, Team Manager

Soft31

Jun 2023 — Aug 2023

Bucharest, RO

- 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

Bucharest, RO

- Authored and maintained the school's electronic voting system. Led website redesign efforts.
- Managed servers, DNS, and automation using Docker and SystemD. Maintained publications.

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)
- **Subjects:** Systems Engineering, Applied Logic, Security, Numerical Methods and Scientific Computation, Operating Systems, Mathematical modeling.
- **Computer Programming Languages:** C, C++, Assembler (x86, RISC-V), Prolog, Haskell, Python, JavaScript, 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:** First Aid (BLS/AED), Team leadership, Communication, Initiative, Adaptability, Problem-solving, Mentorship