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Unikraft Website: https://bit.ly/3ooTPs1

Cezar Crăciunoiu

Education

Sept. 2021-Present	Masters Degree in Computer Science, Advanced Cybersecurity **Politehnica University of Bucharest**, Bucharest (Romania) Entry grade: 8.94/10
Sept. 2017-Jul.2021	Bachelor's Degree in Computer Science, GPA: 3.7/4 **Politehnica University of Bucharest**, Bucharest (Romania) Notable Courses: Data Structures, Network Protocols, OOP, Algorithm Design, Parallel Programming Computer Graphics, Programming Paradigms, Operating Systems, Computer Architecture

Work Experience

Present Oct. 2021	Junior Maintainer at Unikraft, Bucharest *Libraries, Allocators & Measurements Maintainer*
Present Sept. 2019	Graduate Teaching Assistant at UPB, Bucharest *2021-Present | Operating Systems, Performance Evaluation* *2019-2020 | Introduction to computer architecture & Assembly Language* Held laboratory sessions with students. Wrote and maintained laboratory content. Helped in test creation and grading. Participated as invigillator in exams.
Sep. 2021 Jul. 2021	Java Software Developer Intern at Thales, Bucharest *Thales Alenia Space Departament* Worked to develop a web-tool with Java EE to assess and evaluate the performance and happiness of employees through recurring forms. Communicated with several team members to deliver the application with the needed specifications.
Aug. 2020 Jul. 2020	Performance Testing Engineer Intern at Endava, Bucharest *Graduates 2020 Internship Programme* Participated in a month long training programme. Learned about and applied different testing techniques. Understood software development & testing phases in an agile enviroment. Worked in the last week on a company project.

Projects

Unikraft Projects - C open-source development

- Implemented a message passing interface to quickly move information through the system with a minimal performance impact.
- Implemented a memory ballooning driver from existing patches and submitted them.
- Ported the Prometheus library to bring an easier method of exporting performance statistics to Unikraft.

Other notable projects: Halite III, 3D Ray Tracing, Client-Server IM, Flying 3D Plane, C Preprocessor, Versioning system

Activities & Certificates

Jul. 2020	Security Summer School v7 - Understood how to exploit binary files and how to avoid security flaws while programming. - Participated in two day-long hackathons.
Feb. 2020	CISCO Networking Academy CCNA2 Certificate - Learned how to operate with Routers & Switches, their protocols and, their features.

Personal Skills

Technical Skills

- Advanced Knowledge: Unix-based systems, C/C++, Computer Networking, x86 Assembly, Git
- Intermediate Knowledge: Java, OOP, Python, Kernel Programming, Algorithm Design & Optimization
- Basic Knowledge: Bash scripting, LaTeX, Parallel Programming, CUDA, Haskell, C#, Verilog

Soft Skills

- Good team-based communication
- Up to par response to pressure
- Punctuality & Dependability
- Other: Category B driver's license

Languages

Romanian:	Mothertongue
English:	Fluent (CAE C2)
French:	Basic Knowledge
German:	Basic Knowledge