

# Cezar CRĂCIUNOIU

## EDUCATION

SEPT. 2021-JUL.2023	<b>Masters Degree in COMPUTER SCIENCE, Advanced Cybersecurity, GPA: 3.96/4</b> <b>Politehnica University of Bucharest, Bucharest (Romania)</b> Notable Courses: Security of Informational Systems, Security in Cloud and Grid Computing Introduction to Quantum Computing, Parallel and Distributed Systems, Security of Mobile Devices
SEPT. 2017-JUL.2021	<b>Bachelor's Degree in COMPUTER SCIENCE, GPA: 3.7/4</b> <b>Politehnica University of Bucharest, Bucharest (Romania)</b> Notable Courses: Data Structures, Network Protocols, OOP, Algorithm Design, Parallel Programming Computer Graphics, Programming Paradigms, Operating Systems, Computer Architecture

## WORK EXPERIENCE

PRESENT OCT. 2021	Tooling Maintainer at UNIKRAFT, Bucharest <i>2021-2022   Libraries, Allocators &amp; Measurements Maintainer</i> <i>2022-Present   KraftKit &amp; General Tooling Maintainer</i> 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.
PRESENT SEPT. 2019	Graduate Teaching Assistant at UPB, Bucharest <i>2021-Present   Operating Systems, Performance Evaluation, Computer Engineering</i> <i>2019-2020   Introduction to computer architecture &amp; Assembly Language</i> Currently contributing to the development of <a href="#">KraftKit</a> , a tool to ease the development of Unikraft applications. Ported the Prometheus library to Unikraft. Implemented a lightweight <a href="#">message passing interface</a> . Implemented a <a href="#">memory ballooning driver</a> from existing patches.
SEP. 2021 JUL. 2021	Java Software Developer Intern at THALES, Bucharest <i>Thales Alenia Space Departament</i> 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 <i>Graduates 2020 Internship Programme</i> Participated in a month long training programme. Learned about and applied different testing techniques. Understood software development & testing phases in an agile environment. Worked in the last week on a company project.

## ACTIVITIES & CERTIFICATES & PROJECTS

FEB. 2022	FOSDEM 2022 <ul style="list-style-type: none"><li>Held a talk on monitoring unikernels through Prometheus.</li></ul>
JUL. 2020	Security Summer School v7 <ul style="list-style-type: none"><li>Understood how to exploit binary files and how to avoid security flaws while programming.</li></ul>
FEB. 2020	CISCO Networking Academy CCNA2 Certificate <ul style="list-style-type: none"><li>Learned how to operate with Routers &amp; Switches, their protocols and, their features.</li></ul>

Notable projects: [Halite III](#), [3D Ray Tracing](#), [Client-Server IM](#), [Flying 3D Plane](#), [C Preprocessor](#), [Versioning system](#)

## 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,  $\text{\LaTeX}$ , 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:	Mother tongue
ENGLISH:	Fluent (CAE C2)
FRENCH:	Basic Knowledge
GERMAN:	Basic Knowledge