

Cezar CRĂCIUNOIU

EDUCATION

SEPT. 2021-JUL.2023	Masters Degree in COMPUTER SCIENCE, Advanced Cybersecurity, GPA: 3.96/4 Politehnica University of Bucharest, Bucharest (Romania) 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	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 SEPT. 2022	Tooling Maintainer at UNIKRAFT GMBH, Heidelberg (remote) <i>2021-2022 Libraries, Allocators & Measurements Open Source Maintainer</i> <i>2022-Present KraftKit & Pipelines & General Tooling Maintainer</i> <i>2022-Present Google Summer of Code Mentor</i> Currently contributing to the development & maintaining of KraftKit , a tool to ease the deployment of Unikraft applications to the Unikraft Cloud Platform & others. Currently mentoring students as part of the Google Summer of Code program. Currently developing and maintaining most of the CI/CD pipelines for the Unikraft OSS project & company. Ported the Prometheus library to Unikraft. Implemented a lightweight message passing interface . Implemented a memory ballooning driver from existing patches.
PRESENT SEPT. 2019	Graduate Teaching Assistant at UPB, Bucharest <i>2021-Present Operating Systems, Performance Evaluation, Computing Systems Testing</i> <i>2019-2020 Introduction to computer architecture & Assembly Language</i> Held laboratory sessions with students. Wrote and maintained laboratory content. Helped in test & exam creation and grading. Participated as invigilator in exams.
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 2-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

JUL. 2024	Security Summer School v11 - Web Track <ul style="list-style-type: none">Gained good insight into web based attacks and the defense mechanisms for them.
FEB. 2022	FOSDEM 2022 <ul style="list-style-type: none">Held a talk on monitoring unikernels through Prometheus.
JUL. 2020	Security Summer School v7 - Binary Track <ul style="list-style-type: none">Understood how to exploit binary files and how to avoid security flaws while programming.
FEB. 2020	CISCO Networking Academy CCNA2 Certificate <ul style="list-style-type: none">Learned how to operate with Routers & Switches, their protocols and, their features.

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

PERSONAL SKILLS

Technical Skills

- Advanced Knowledge: UNIX-based systems, GitHub Actions, GoLang, Git, C/C++, Computer Networking
- Intermediate Knowledge: BASH scripting, Kubernetes, Java, OOP, Python, x86 Assembly, Kernel Programming
- Basic Knowledge: Algorithm Design & Optimization, \LaTeX , Parallel Programming, CUDA, Haskell, C#, SQL

Soft Skills

- Good & active team communication
 - Excelent response to pressure
 - Punctuality & Dependability
- OTHER: Category B driver's license

Languages

- ROMANIAN: Mothertongue
ENGLISH: Fluent (CAE C2)
FRENCH: Basic Knowledge
GERMAN: Basic Knowledge