

Cezar CRĂCIUNOIU

PERSONAL INFORMATION

ADDRESS: Oituz 9, 200494, Craiova, Romania
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EDUCATION

SEPT. 2017-PRESENT Bachelor's Degree in COMPUTER SCIENCE, GPA: 3.67/4 as of now
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

AUG. 2020 Performance Testing Engineer Intern at ENDAVA, Bucharest
JUL. 2020 *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 environment. Worked in the last week on a company project.

AUG. 2020 Undergraduate teaching assistant at UPB, Bucharest
SEPT. 2019 *Introduction to computer architecture & Assembly Language*
Helped in the creation of tests given to students across the semester. Participated in the grading of the aforementioned tests. Took the role of invigilator during the final exam. Coordinated with the team leader to deliver results.

PROJECTS

Unikraft Memory Ballooning - C open-source project

- Picked up existing patches to the unikernel to finish the development of a memory managing driver between a host OS and its guest VMs. The driver was implemented on two different platforms.
- Understood how the Linux kernel patch submission system works and submitted [patches](#) for review.
- Earned a valuable insight into Linux kernel-space programming and virtualization.

Parallel Image Filters - C++ team project

- Implemented 10 different PNG image filters through 3 different parallelization methods.
- Understood how the Canny edge detector works and its implementation.
- Earned a good understanding in parallelization performance analysis & optimization.
- Further developed project structuring skills using the [Git versioning system](#).

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.

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, Algorithm Design & Optimization, OpenGL
- 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

LINKS

Github profile: <https://bit.ly/2Zh700T>
Halite Challenge: <https://bit.ly/3332eW4>

Linkedin profile: <https://bit.ly/3sdQFGk>
Unikraft project: <https://bit.ly/35jQHEB>