

Education

- ETH Zurich**
Faculty of Computer Science, Ms.C. Computer Science

Zurich, Switzerland
Expected 2020
 - University of Bucharest**
Faculty of Mathematics and Informatics, B.S. Computer Science

Bucharest, Romania
June 2018
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Experience - Work

- Google**
Software Engineer Intern
 - Working on a Java bytecode optimizer for Android.

Mountain View, CA, US
June 2018 - September 2018
 - Bloomberg**
Software Engineer Intern
 - Built a Domain Specific Language in Python for integration testing.
 - Worked on high-performance data storages in C++ with Redis for distributed storage.

London, UK
July 2017 - September 2017
 - Google**
Software Engineer Intern
 - Worked on a logging system for search, for monitoring systems' health.
 - Implemented a full stack application with C++, Go and TypeScript with Preact.

New York, NY, US
February 2017 - May 2017
 - BitDefender**
Software Developer
 - Working on a smart security device which filters the entire network's traffic, built in C++ using the linux network stack.
 - Wrote a framework for automated testing on virtual machines using qemu and libvirt.
 - Optimized performance to achieve a million packets per second throughput.

Bucharest, Romania
April 2016 – May 2018
 - Runtime Verification, Inc.**
Software Developer Contractor
 - Worked with Clang's thread sanitizer in order to instrument memory accesses.

Chicago, IL
Oct 2015 - June 2016
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Experience - Volunteering

- Held an advanced algorithms class for outstanding High School students.**
 - Member of the scientific committees of various algorithmic contests**

Central European Olympiad in Informatics

Ministry of Education

Romanian IOI selection camp

Ministry of Education

Romanian Olympiad in Informatics

Ministry of Education

 - Proposed tasks, helped with writing statements & implementing solutions.
 - Generated test data for tasks .
 - Contributed to open source projects.**
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Experience - Personal Projects

Hosted on Github

- Built an interpreter for a Scheme-like language in Java.**
 - Implemented multiple Computer Vision projects such as object detection with ML, texture extraction or content aware image resizing.**
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Honors & Awards

- **Competitive Programming**

- Gold medal, International Zhautykov Olympiad 2014
 - 12th place out of 50 at the Google Hash Code Finals in Paris 2016
The tasks consisted of finding the best heuristic for a real life problem, such as controlling drones or directing satellites to spin around the earth and take pictures of various locations.
 - 14th place out of 88 international teams at the ACM SEERC 2017
 - Romanian Informatics Camp for IOI selection 2013 & 2015
 - Gold medal, Romanian Olympiad in Informatics 2013
 - Silver medal, Romanian Olympiad in Informatics 2015
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Technical Skills

Languages

- Advanced: C++, Python, Bash
- Intermediate: Go, JavaScript/TypeScript, Rust, Java, Scheme

Theoretical Computer Science

Algorithms, Data Structures, Cryptography, Computer Vision, Artificial Intelligence, Automata theory