

Aleksandar Krastev

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• <https://alexalex.xyz>

• <https://github.com/Alaxe>

Education

Massachusetts Institute of Technology

EXPECTED JUN 2023

- Pursuing a B.S. in Computer Science and Engineering
- Relevant coursework: Algorithm for Graphs and Matrices, Computational Structures, Introduction to Machine Learning, and Probability and Random Variables

Skills

Software: C++, Python, JavaScript, Linux, LaTeX, Git, HTML

Languages: Fluent in English and Bulgarian, beginner in German

Experience

QuantCo / Software Engineering Intern

JUN 2020 - PRESENT

- Developing a Python wrapper for the R grf package using rpy2.

MIT CSAIL / Undergraduate Researcher

FEB 2020 - PRESENT

- Researched applications for a hardware stream merger.
- Implemented and evaluated two merger applications by running hardware simulations.

Bulgarian Informatics Contests / Problem Author

Nov 2019

- Developed a task for a contest with 75+ participants from 7 countries.

Bulgarian Informatics Camps / Instructor

AUG 2017 - JUN 2019

- Prepared and presented three lectures on data structures and algorithms topics in front of 20 high school students.
- Prepared practice tasks to complement the discussed material.

Awards

Gold Medals:

- International Olympiad in Informatics, Tsukuba, Japan SEP 2018
- Balkan Olympiad in Informatics, Timișoara, Romania JUL 2018
- Romanian Masters of Informatics, Bucharest, Romania OCT 2018

Silver Medals:

- International Olympiad in Informatics, Baku, Azerbaijan JUL 2019
- European Physics Olympiad, Riga, Latvia JUN 2019
- International Olympiad in Informatics, Kazan, Russia AUG 2016

Projects

Nitwit: A C++ compiler for a made-up programming language

Gemini: A co-op puzzle platformer implemented in JavaScript

Stealth: A top-down 2D game implemented in JavaScript

Judge System: A Python/Django website for testing of solutions to algorithmic tasks