

Aleksandar Krastev

• alexalex@mit.edu

• <https://alexalex.xyz>

• <https://github.com/Alaxe>

Education

Massachusetts Institute of Technology

EXPECTED JUN 2023

- Pursuing a B.S. in Computer Science and Engineering
- Past classes: Algorithm for Graphs and Matrices, Computational Structures, Introduction to Machine Learning, Probability and Random Variables
- Current classes: Software Construction, Theory of Computation

Skills

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

Languages: English, Bulgarian, beginner in German

Experience

QuantCo / Software Engineering Intern

JUN 2020 - AUG 2020

- Developed a Python wrapper for R Generalized Random Forests using rpy2

MIT CSAIL / Undergraduate Researcher

FEB 2020 - AUG 2020

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

Bulgarian Informatics / Instructor & Problem Author

AUG 2017 - PRESENT

- Developed two tasks for contests with 75+ participants from up to 7 countries
- Prepared and presented three lectures on topics in data structures and algorithms in front of the top 20 Bulgarian high school students

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 |

Other 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