

Martin Ristovski



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EDUCATION

2019 – 2023 **Columbia University**
New York, NY
BA, Computer Science and Physics
GPA: 3.91/4.00
JOHN JAY SCHOLAR, DEAN'S LIST, MARK & ANLA
CHENG KINGDON FUND SCHOLARSHIP RECIPIENT

Courses:

Math: Accelerated Multivariable Calculus,
Linear Algebra.
Physics: Accelerated Physics I & II.
CS: Introduction to Computer Science
and Programming in Java.

Online Courses:

MIT - Introduction to Computational
Thinking and Data Science
MIT - Introduction to Algorithms

Student Organizations:

Society of Physics Students
May 2020 - Present Secretary
Sep 2019 - May 2020 Member

2015 – 2019 **Yahya Kemal College**
Skopje, North Macedonia
High School, Natural Sciences
GPA: 5.00/5.00
2017, 2018, 2019 International Physics Olympiad
2017, 2018 European Physics Olympiad

PROJECTS

ReopenCU Android AUG 2020
Made Android app for the daily symptom self-checker for Columbia students living on campus during 2020-21. (Flutter, Dart)

Snake Game AUG 2020
Made simple CLI snake game. (Python, curses)
github.com/martinristovski/snake

Pong AI AUG 2020
Made and trained neural network to play pong. (Python, OpenAI Gym)
github.com/martinristovski/pong-player

A* Visualizer JUL 2020
A* path finding algorithm visualizer. (Python, PyGame)
github.com/martinristovski/a-star-visualization

Tempus AUG 2015
Clock for use in trial olympiads. (JavaScript) ristovski.xyz/tempus

RESEARCH

Columbia University
Research Assistant

Work under Prof. Georgia Karagiorgi in the Columbia neutrino group. Optimized clustering algorithm for finding Michel electrons.

EXPERIENCE

Youth Accelerator Macedonia
Cofounder

Cofounded and run an international mentoring program to assist high schoolers from North Macedonia in applying to universities abroad, and to assist undergraduates at top universities in the US and Europe with career preparation and personalized guidance.

Self-employed
Computer Science Tutor

Teach incoming Columbia students introductory computer science, programming in Java, use of version control and Linux.

School of the Future
Head and Founder of Physics Department

Led the physics department and prepared high schoolers for international physics olympiads.

Yahya Kemal College
Physics Olympiad Tutor

Prepared high schoolers for national and international physics olympiads. Grew the program from 3 to 16 students.

The Society of Physicists of Macedonia
IJSO Tutor

Helped prepare the Macedonian team for the International Junior Science Olympiad, where they won 3 bronze medals.

FK Kamenica Sasa
Web Developer

Made website for local professional soccer club. fkkamenica-sasa.mk

LANGUAGES

PROGRAMMING	Java, Python, C++, Bash, HTML, CSS, LaTeX, Dart/Flutter
NATURAL	English, Macedonian, German