

Martin Ristovski



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EDUCATION

2019 – 2023 **Columbia University**
New York, NY
BA, Computer Science & 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,
Electricity & Magnetism.

CS: Introduction to Computer Science
and Programming, Data Structures,
Advanced Programming.

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 for 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

JUN 2020 - PRESENT

Columbia University **Research Assistant**

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

EXPERIENCE

JUN 2020 – PRESENT

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.

JUL 2020 – PRESENT

Self-employed **Computer Science Tutor**

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

JAN 2019 – AUG 2019

School of the Future **Head and Founder of Physics Department**

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

SEP 2016 – JAN 2019

Yahya Kemal College **Physics Olympiad Tutor**

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

OCT 2018 – NOV 2018

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.

MAY 2018 – JUN 2018

FK Kamenica Sasa **Web Developer**

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

LANGUAGES

PROGRAMMING Java, Python, C++, Bash, HTML, CSS, LaTeX, Dart/Flutter

NATURAL English, Macedonian, German