

# Martin Ristovski



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[ristovski.xyz](http://ristovski.xyz)

## 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](https://github.com/martinristovski/snake)

**Pong AI** AUG 2020

Made and trained neural network to play pong. (Python, OpenAI Gym)  
[github.com/martinristovski/pong-player](https://github.com/martinristovski/pong-player)

**A\* Visualizer** JUL 2020

A\* path finding algorithm visualizer. (Python, PyGame)  
[github.com/martinristovski/a-star-visualization](https://github.com/martinristovski/a-star-visualization)

**Tempus** AUG 2015

Clock for use in trial olympiads. (JavaScript) [ristovski.xyz/tempus](http://ristovski.xyz/tempus)

## RESEARCH

JUN 2020 - AUG 2020

Columbia University  
**Research Assistant**

Worked 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.

JAN 2019 – OCT 2020

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

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

JUL 2020 – SEP 2020

Self-employed  
**Computer Science Tutor**

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

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. [fkkamenica-sasa.mk](http://fkkamenica-sasa.mk)

## LANGUAGES

PROGRAMMING    Java, Python, C++, Bash, HTML, CSS,  
LaTeX

NATURAL    English, Macedonian, German