

# Martin Ristovski



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

## 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 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

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

## LANGUAGES

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

NATURAL English, Macedonian, German