

# Martin Ristovski



[martin.ristovski@columbia.edu](mailto:martin.ristovski@columbia.edu)  
[github.com/martinristovski](https://github.com/martinristovski)  
[linkedin.com/in/martin-ristovski/](https://linkedin.com/in/martin-ristovski/)



929-260-5456  
[ristovski.xyz](https://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

### *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).  
[github.com/martinristovski/tempus](https://github.com/martinristovski/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](https://fkamenica-sasa.mk)

## LANGUAGES

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

NATURAL        English, Macedonian, German