

# Martin Ristovski

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## EDUCATION

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2019 – 2023 **Columbia University** – *New York, NY*

BA, Computer Science – GPA: 3.59

JOHN JAY SCHOLAR, DEAN'S LIST, MARK & ANLA CHENG KINGDON FUND SCHOLARSHIP RECIPIENT

Relevant Courses:

Data Structures, Advanced Programming, Intro to Databases, Computer Science Theory, Artificial Intelligence, Natural Language Processing, Fundamentals of Computer Systems, Advanced Software Engineering, Engineering Software as a Service, Analysis of Algorithms.

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

## EXPERIENCE

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**BetterMeet** - Software Engineering Intern

MAY 2022 – AUG 2022

- Built backend and API for meeting analytics browser extension
- Built event labelling system, allowing users to tag Google Calendar events
- Set up build system and handled cloud deployment of the back-end
- Implemented overnight code review to take advantage of time zone differences, cutting feedback loop length in half

**Managirr** - Software Engineering Intern

JAN 2022 – MAY 2022

- Wrote major extensions to both the API and the back-end service of the product (real estate portfolio optimization software)
- Implemented AWS S3-based user file storage system
- Aligned legacy code to MVC design pattern and wrote documentation to reduce future onboarding time

**Hypefive** - Software Engineering Intern

JUN 2021 – AUG 2021

- Built parts of Flutter frontend
- Refactored old API to improve performance and wrote large portion of new API
- Set up build system for core product to allow for faster testing
- Set up product management workflow for the entire company (in Jira and Notion), which led to launch date forecasts moving up by a quarter
- PM workflow and build system resulted in onboarding time for new hires being cut in half

**Columbia University** - Software Engineering Intern

JUN 2020 - AUG 2020

- Worked under Professor Georgia Karagiorgi on neutrino research as part of the High Energy Physics group at Columbia
- Used CERN's ROOT C++ framework to analyze data gathered by Fermilab's MicroBooNE detector and CERN's ProtoDUNE detector
- Optimized clustering algorithm for finding Michel electrons in muon decay events
- Wrote code that will end up being used for real-time neutrino detection at the Deep Underground Neutrino Experiment, an 800 mile long detector with a data throughput rate on the order of terabytes per second

## PROJECTS

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**L'Books** - used book marketplace with reputation system and .edu email verification. (Ruby on Rails, PostgreSQL)

**Form Hosting Service** - API that allows developers to store form responses from their own web apps. (Python, Flask, MySQL)

**Course Registration Platform** - course registration with additional features (e.g. slot swapping). (Python, Flask, PostgreSQL)

## SKILLS

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LANGUAGES Python, Java, C, SQL, Ruby, HTML, CSS, Bash

TOOLS AWS, Capybara, Cucumber, Flask, Git, Heroku, Linux, MongoDB, PostgreSQL, Postman, Rails, Vim