

# Martin Ristovski

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## EDUCATION

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

BA, Computer Science – GPA: 3.6

Relevant Courses: Artificial Intelligence, Natural Language Processing, Analysis of Algorithms, Advanced Software Engineering, Distributed Systems, Parallel Functional Programming.

## EXPERIENCE

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### BetterMeet - Software Engineering Intern

MAY 2022 – AUG 2022

- Built backend and API for meeting analytics browser extension that hooks into Google Calendar and Google Meet
- Implemented event tagging system, setting the groundwork for the product's core value proposition
- Included direct user feedback in analytics by implementing post-meeting survey screen and data gathering
- Set up build system and handled cloud deployment of the backend
- Cut feedback loop length in half by implementing overnight code review to take advantage of time zone differences between engineers

### 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)
- Optimized business logic performance by eliminating duplicate computation and minimizing the number of API calls
- Implemented personal user file and template file storage by developing an AWS S3-based user file storage system
- Enabled users to get long-term financial insights into their portfolio by designing and building financial data screen
- Reduced future onboarding time by aligning legacy code to MVC design pattern and writing documentation

### Hypefive - Software Engineering Intern

JUN 2021 – AUG 2021

- Built parts of frontend for cross-platform mobile app using Flutter
- Redesigned APIs for improved performance and maintainability relative to existing API approach
- Accelerated testing by setting up a build system for the core product
- Moved launch forecasts up by a quarter by setting up an efficient product management workflow for the entire company
- 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
- Analyzed data gathered by Fermilab's MicroBooNE detector and CERN's ProtoDUNE detector using CERN's ROOT C++ framework
- 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** - second-hand 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)

## AWARDS AND RECOGNITION

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**Dean's List** - given in recognition of high GPA at Columbia University

**John Jay Scholar** - given to 30 members of each incoming class of Columbia College for outstanding intellectual ability and leadership

**International Physics Olympiad (2017, 2018, 2019)** - represented my home country at the world's most prestigious physics competition

**European Physics Olympiad (2017, 2018)** - represented my home country at Europe's most prestigious physics competition

## 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