Martin Ristovski

✉ martin.ristovski@columbia.edu ☎ 929-260-5456
○ github.com/martinristovski 🖥 ristovski.xyz

EDUCATION

2019 – 2023 **Columbia University**
New York, NY
BA, Computer Science
GPA: 3.58
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

PROJECTS

L'Books   OCT 2021 – DEC 2021

Built a secondhand book marketplace, with a reputation system and
academic email verification, using Ruby on Rails and PostgreSQL.
Used behavior-driven design and test-driven development.

Form Hosting Service   OCT 2021 – DEC 2021

Built a form hosting service allows developers to save the form data
of their webpage in a secure environment and easily integrate it into
their own web apps. The base product was an API, and the project
had a rigorous test suite. (Python, Flask, MySQL)

Course Registration Platform   FEB 2021 – APR 2021

Built course registration management platform as part of my intro
to databases class, with a PostgreSQL backend and a Flask-based
web frontend.

ReopenCU Client for Android   AUG 2020

Made Android app for the daily COVID symptom self-checker for
Columbia students living on campus during 2020-21. (Flutter, Dart)

SKILLS

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

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

NAT. LANGUAGES   English, Macedonian, German

EXPERIENCE

MAY 2022 – PRESENT

BetterMeet
Software Engineering Intern

- In progress. Ends August 2022.

JAN 2022 – MAY 2022

Annetta
Software Engineering Intern

- 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 initial codebase to MVC design pattern
- Wrote documentation to reduce future onboarding time

JUN 2021 – AUG 2021

Hypefive
Software Engineering Intern

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

JUN 2020 - AUG 2020

Columbia University
Software Engineering Intern

- 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 the MicroBooNE detector at Fermilab and the ProtoDUNE
detector at CERN
- Optimized clustering algorithm for finding Michel electrons in
muon decay events
- Wrote code that will end up being used for real-time neutrino de-
tection at the Deep Underground Neutrino Experiment, an 800
mile long detector with a data throughput rate on the order of
terabytes per second

JUN 2020 – PRESENT

Self-employed
Computer Science Tutor

- Teach first-year and incoming students at Columbia introductory
computer science and software engineering
- Focus on data structures and algorithms, as well as an introduc-
tion to version control, testing, and other parts of the SWE work-
flow