

Martin Ristovski



martin.ristovski@columbia.edu
github.com/martinristovski



929-260-5456
ristovski.xyz

EDUCATION

2019 – 2023 **Columbia University**
New York, NY
BA, Computer Science
GPA: 3.53
JOHN JAY SCHOLAR, DEAN'S LIST, MARK & ANLA
CHENG KINGDON FUND SCHOLARSHIP RECIPIENT

Relevant Courses:

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

Online Courses (MIT & Stanford):

Intro to Algorithms, Blockchain and Money,
Design and Analysis of Algorithms,
Automata Theory.

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 in an Agile team.

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)

EXPERIENCE

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 forecasts 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 detection 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 introduction to version control, testing, and other parts of the SWE workflow

MAY 2018 – JUN 2018

FK Kamenica Sasa Web Developer

- Made website for local professional soccer club

SKILLS

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

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

NAT. LANGUAGES English, Macedonian, German