Martin Ristovski

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 202I - DEC 202I

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 202I - DEC 202I

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

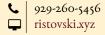
FEB 202I - APR 202I

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

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

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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
- Set up product management workflow for the entire company (in Jira and Notion), which led to launch date forcasts moving up by
- · 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 work-

MAY 2018 – JUN 2018

FK Kamenica Sasa Web Developer

Made website for local professional soccer club

SKILLS

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

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

English, Macedonian, German NAT. LANGUAGES