Martin Ristovski

EDUCATION

2019 - 2023

Columbia University

New York, NY BA, Computer Science GPA: 3.5

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

Courses Taken:

Data Structures, Discrete Mathematics, Advanced Programming, Intro to Databases, Fundamentals of Computer Systems, Artificial Intelligence, Natural Language Processing.

Currently Taking:

Computer Science Theory, Advanced Software Engineering, Engineering Software as a Service.

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 used textbook marketplace for college students, where sellers can earn reputation points to promote their listings and all users are verified through .edu email adresses. (Ruby, Rails, PostgreSQL)

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 without having to worry about hiring a back-end engineering team. Instead, they simply use our API. (Python, Flask, MySQL)

Course Registration Platform

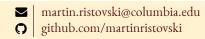
FEB 202I – APR 202I

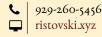
Built course registration management platform as part of my intro to databases class, with a PostgreSQL backend and a Flask-based web frontend.

ReopenCU Client for Android

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 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 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

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

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

NAT. LANGUAGES English, Macedonian, German