# 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, Computer Science Theory, Advanced Software Engineering, Engineering Software as a Service. Currently Taking: Analysis of Algorithms,

Analysis of Algorithms Advanced Algorithms, Intro to Cryptography.

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.

#### 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

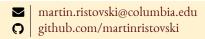
FEB 202I – APR 202I

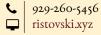
Built course registration management platform as part of my intro to databases class, with a PostgreSQL backend and a Flask-based web frontend.

## 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**

LANGUAGES	Python, Java, C, Bash, SQL, Ruby, HTML, CSS
TOOLS	Rails, Flask, PostgreSQL, Git, Cucumber, Capybara, Postman, Vim, Linux
NAT. LANGUAGES	English, Macedonian, German