

Martin Ristovski



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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,
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 2021 – DEC 2021
Built a secondhand book marketplace, with a reputation system and academic email verification, using Ruby on Rails and PostgreSQL.
- 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 without having to worry about hiring a back-end engineering team. Instead, they simply use our API. (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

- Hypefive** JUN 2021 – AUG 2021
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
- Columbia University** JUN 2020 – AUG 2020
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
- Self-employed** JUN 2020 – PRESENT
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
- FK Kamenica Sasa** MAY 2018 – JUN 2018
Web Developer
- Made website for local professional soccer club
- ## SKILLS
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|----------------|--|
| LANGUAGES | Python, Java, C, Bash, SQL, Ruby, HTML, CSS |
| TOOLS | Rails, Flask, PostgreSQL, Git, Cucumber, Capybara, Postman, Vim, Linux |
| NAT. LANGUAGES | English, Macedonian, German |