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# Eduardo Miranda

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## ABOUT ME

I am an honors graduate student in Computer Science, currently completing my MSc dissertation at Instituto Superior Técnico. I discovered my passion for coding in high school and have since explored various technologies through college and personal projects. Through this, I discovered that I prefer backend development using languages like Go, Python, and Java. Now that I am almost finishing my MSc and have several projects, I'm excited for a full time career in software development.

## SKILLS

- Go, Python, Java, TypeScript, JavaScript, C
- Flask, Spring, React
- PostgreSQL, SQLite, MongoDB
- Docker, GCP
- Git, GitHub, GitHub Actions

## EDUCATION

**Bologna Master's Degree in Computer Science and Engineering at Instituto Superior Técnico** –

<https://tecnico.ulisboa.pt/en/education/courses/masters-programmes/computer-science-and-engineering/>

Sep 2022 – Oct 2024

Grade: 16.5/20

**Bologna Bachelor's Degree in Computer Science and Engineering at Instituto Superior Técnico** –

<https://tecnico.ulisboa.pt/en/education/courses/undergraduate-programmes/computer-science-and-engineering/>

Sep 2019 – Jul 2022

Grade: 15.8/20

## PROJECTS

### **Blog Aggregator** – <https://github.com/eduvedras/Blog-Aggregator>

Jul 2024 – PRESENT

A project that allows users to aggregate all their favorite RSS blogs and feeds in one place. It includes an API and a command line interface to abstract the API interactions. I am also developing a graphical user interface in my free time.

This project was born out of my personal needs. I like to follow several blogs on topics ranging from technology to finance, but doing so requires visiting each individual blog to check for new posts. By using this tool, all the new posts from the feeds I follow are aggregated in one place, solving this problem.

The project was built in Go and I applied several of my skills, including using SQLite for the database, containerizing the application using docker, setting up a CD pipeline using GitHub Actions, deploying on Google Cloud, implementing parallel programming to build the scraper that retrieves posts from each blog and handling user authentication.

### **Quizzes Tutor** – <https://github.com/eduvedras/Quizzes-Tutor-ES-2022>

Mar 2022 – Jun 2022

Quizzes Tutor is a platform used at my college (IST) that allows professors to create quizzes for students to answer. It has several features related to quiz statistics. In the software engineering class we implemented one of these features: a functionality that shows students all their incorrect answers in chronological order. Click [here](#) and go to `demo_as_student-dashboard-failed_answers` to see the functionality.

For this project, we used Java and Spring for the backend, Groovy for testing, and TypeScript for the frontend.

## EXPERIENCE

### **High School Tutor** – *Freelance*

Mar 2022 – Jun 2024

As a high school tutor, I provided one-on-one sessions primarily in mathematics, physics, and english. I initially started by helping my sister with her studies, and she recommended me to her friends, which led to teaching three students at the same time. My goal was to deepen their understanding of these subjects, build confidence, and improve their academic performance.