



SÍLVIO SIMÕES SALDANHA

JUNIOR SOFTWARE DEVELOPER

CONTACT

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Aveiro, Anadia

SKILLS

- Java
- Python
- C
- C++
- C#
- MatLab
- PHP
- JavaScript
- SQL | PostgreSQL | MySQL

LANGUAGES

- Portuguese (Fluent)
- English (B1/B2)

CERTIFICATIONS

- Microsoft Azure Fundamentals Certification
- Driver's License



EDUCATION

Bachelor's Degree in Computer Engineering (Finishing in January)

Faculdade de Ciências e Tecnologia | Universidade de Coimbra



RELEVANT PROJECTS

Python

- Dashboard for GitLab repository analysis (Flask, PyDriller, D3.js).
- Music recommendation system (content-based vs metadata-based).
- Hospital Management System (HMS) with API REST (PostgreSQL, Flask, Postman).
- Various data analysis programs.

Java

- Trivia game focused on Object Oriented Programming.
- Search Engine with Web Crawling, APIs integration of Hacker News and OpenAI.

C

- Simulation of a simplistic Blockchain, using IPC's, concurrency and synchronization methods.
- UC language compiler, which is a C language subset (C99).
- News propagation system via UDP, TCP and IP multicast.

C++

- Creation of a 3D city with textures, lighting and cameras using OpenGL and OpenFrameworks.
- Various algorithms created to practice dynamic programming, backtracking, graph theory and memoization.

C# (Unity)

- Intelligent Agent programming for the Pacman game.
- Genetic Algorithm for the evolution of vehicles



SUMMER INTERNSHIPS

2BWebConnect, Aveiro

Web Developer

- Developed an Web app to create and manage reports for the SCIE (Segurança contra incêndio em edifícios).
- Used JavaScript, PHP, XAMPP, MySQL and rudimentary HTML and CSS.

Arcil, Lousã

Network Management and IT support

- VPN setup and general Routing setups for the organizations computers in their multiple locations, also provided various IT support.