

Gil Teixeira

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Education

Faculty of Engineering of the University of Porto

September 2015 – February 2021

Master in Informatics and Computing Engineering

Overall Grade: 16.4. Thesis Grade: 18

Sapienza University of Rome

September 2019 – February 2020

Erasmus Programme

Santos Simões High School

September 2012 – July 2015

Diploma de Ensino Secundário

Internships

Weezie

August 2019

- Migrated Weezie website to WordPress.
- Developed algorithm using Integer Programming to optimize Fiber allocation.

INESC-TEC CTM

July 2019

- Developed Deep Learning networks for matching facial sketches to mugshot pictures.
 - Developed Deep Learning network to translate a sketch to a generated photo.
 - Developed Deep Learning network to match generated photo to a real photo.

Projects

TIS-100 Clone 🔄

June 2019

- A TIS-100 Emulator for the web, built with **React** and **TypeScript**.
- TIS-100 is a programming game that simulates multiple programming nodes that accept mock assembly language.

GDPR Reporter (Strongstep)

May 2019

- Android app implemented in **React Native**.
- Back-end server developed using **NodeJs** in **JavaScript**.
- Database developed in **Sequelize** for **PostgreSQL**.
- A mobile application whose objective is facilitating handling the changes that GDPR policy brought.

BUzNet Project (B-learning Uzbekistan Veterinary Network)

December 2018

- Progressive Web App developed in **Ionic**.
- Back-end server developed in **NodeJs** and **Typescript**.
- Database developed in **Mongoose** for **MongoDB**.
- Acceptance tests developed using **Jasmine** with **Protractor** with an **Selenium** server.
- Application that aims to increase learning standards in Veterinary Medicine and Zootechnical Engineering.

Relevant Skills

Advanced user of: C, C++, Java, JavaScript, TypeScript.
Intermediate user of: Python, Bash Scripting, Docker, Prolog.
Basic user of: Assembly, Laravel, PHP, SQL.
Languages: Portuguese (native), English (fluent).

Open-Source Contributions

LARA framework 🔄

February 2021

- LARA is a framework analysis and transformation of code.
- Added support to additional language specifications that can be shared between LARA compilers.
- Created a common specification with focus on OO concepts for **C**, **C++**, **Java**, **JavaScript**.
- Added software metrics measurement capabilities.

Atom 🔄

February 2017

- Atom is a open-source desktop text editor.
- Change atom theme stack in safe mode to be consistent with regular mode.