

# Gonçalo Marantes

INFORMATICS AND COMPUTING ENGINEERING STUDENT

Gondomar, Porto

☎ (+351) 933 235 253 | ✉ goncalojmarantes@gmail.com | 🏠 goncalomarantes.com | 📷 marantesss | 🌐 goncalomarantes | 🐦 @marantesss

## Summary

I am currently finishing my last year of the integrated masters degree in Informatics and Computing Engineering at the Faculty of Engineering of the University of Porto. Passionate about open-source, containerization, CI/CD, software development methodologies, project management, database technologies and web development.

## Education

### Faculty of Engineering of the University of Porto

*R. Dr. Roberto Frias, 4200-465 Porto*

INTEGRATED MASTER'S IN INFORMATICS AND COMPUTING ENGINEERING

*2017 - Present*

- Software Engineering
- Requirements Engineering
- Database Technologies
- Project Management
- Software Testing

## Experience

### ZeroZero

*Vila Nova de Gaia*

SOFTWARE DEVELOPER

*Jun. 2021 - Sep. 2021*

- Developed Project: Orwell, a web service to aid in the identification and categorization of website visitors. Extracts information from web requests, such as IP address, location, page visits, etc.
- Designed the web application interface with the help of Figma and Affinity Design. Built the entire page layout, components and interactions
- Developed the web interface using React, Bulma and SCSS; external and internal APIs with NodeJS, ExpressJS and KnexJS; database using PostgreSQL and PGPLSQL; cache using Redis and server configuration with Traefik
- Developed server unit tests with Jest and Supertest
- Containerized the whole service with Docker and Docker Compose, compatible with different environments
- Configured ZeroZero's internal GitLab instance with GitLab runners and CI/CD configuration
- Configured automatic project deployment to virtual private server

### SPeCS Associate Laboratory

*FEUP*

SUMMER INTERN

*Jul. 2020 - Sep. 2020*

- Worked at SPeCS Research Group (Special-Purpose Computing Systems, languages and tools) under Professor Nuno Paulino and Professor João Bispo
- Designed and developed a web application using VueJS to showcase the Binary Translation Framework, an internal project developed by Professor Nuno Paulino

## Projects

### Glass Base ([github.com/Marantesss/glass-base](https://github.com/Marantesss/glass-base))

PERSONAL

*2021*

- Developed a web dashboard and REST API to visualize data from the Portuguese government public contract platform (<https://www.base.gov.pt/base4>). This application stores, serves and presents data in a more user friendly way, with metrics, charts and table
- Designed the dashboard with Figma. Developed the dashboard with NuxtJS and TailwindCSS, server development was done in NodeJS, ExpressJS and KnexJS, relational database was developed in PostgreSQL

## Extracurricular Activity

### IEEE University of Porto Student Branch

*Porto, Portugal*

CORE MEMBER & VICE-CHAIRMAN ON 2019

*Nov. 2017 - Present*

- Helped organize events (RetroJam 2019, REC 2020) and workshops (C++, Git)
- Contributed to the development of the student branch's website (<https://ieee.fe.up.pt/>)
- Designed various branding materials

## Licenses & Certifications

2017 **Certificate of Proficiency in English**, University of Cambridge

*Porto, Portugal*

2017 **B Driver's License**, IMT

*Porto, Portugal*