

# VASCO RAMOS

## Computer Science Student

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## EDUCATION

### Computer Science (M. Sc.)

#### University of Minho

Current Grade: 18 / 20

📅 Sept 2020 – Ongoing

📍 Braga

### Computer Science (B. Eng.)

#### University of Aveiro

Grade: 18 / 20

📅 Sept 2017 – July 2020

📍 Aveiro

## EXPERIENCE

### Graduate Researcher

#### ALGORITMI Center

📅 Jan 2022 – Ongoing

📍 Braga

- Researched concepts and technologies related to geofences and smart cities.
- Technologies: **Express.js**, **MongoDB**, **Firebase**, **GCP**

### Bioinformatics Undergraduate Researcher 🔗

#### IEETA

📅 Apr 2020 – Sept 2020

📍 Aveiro

- Revitalized a product focused on simplifying the processes of ETL and data integration.
- Technologies: **Java**, **Play Framework**, **Docker**, **HTML**, **CSS**, **JavaScript**

### Vice Chairman

#### AETTUA

📅 Nov 2019 – Nov 2020

📍 Aveiro

- Coordinated a sales and external relations team of 5 students, increasing the 2019 Tech Event revenue by 30%.
- Coordinated a IT (management and development) team of 7 students.

### Software Engineering Intern

#### Officelan

📅 Jun 2019 – Aug 2019

📍 Viseu

- Developed a web app to help the Technical Support Team deliver better support to their network customers.
- Technologies: **Python**, **Django**, **MySQL**, **HTML**, **jQuery**

## LANGUAGES

Portuguese



English



Spanish



## TECHNICAL SKILLS

Python

JavaScript

Java

Node.js

Docker

Ansible

Kubernetes

Google Cloud Platform

Shell

CI/CD & Jenkins

TICK Stack

ELK Stack

Git

MySQL

PostgreSQL

MongoDB

Redis

## PROJECTS

### Intelligent Cloud Resource Manager

#### Accenture & University of Minho

📅 Nov 2021 – Feb 2022

- Developed a web system to collect monitoring metrics, predict future usage and recommend infrastructure actions to address future infrastructure needs or constraints.
- Technologies: **GCP**, **Python**, **Express.js**, **MySQL**, **Google BigQuery**, **React.js**, **ARIMA**

### Misago - Deployment & Benchmarking 🔗

#### University of Minho

📅 Nov 2020 – Jan 2021

- Automated the deployment of a web-based multi-layer application following methodologies such as container orchestration, monitoring and benchmarking.
- Technologies: **Ansible**, **Docker Swarm**, **Docker**, **ELK Stack**, **NGINX**, **HAProxy**, **JMeter**

### My Life 🔗

#### University of Aveiro

📅 Feb 2020 – Jun 2020

- Developed a mobile and web app to track and display physical activity and eating habits of citizens' daily life, with the help of a Machine Learning module to identify food with photos.
- Technologies: **Django**, **PostgreSQL**, **REST**, **Docker**, **React.js**, **React Native**, **Flask**, **Darkflow**, **Yolo**

## MOST PROUD OF



**1st Place @ ThinkTwice Hackathon**  
University of Aveiro | Mar 2019



**Mentor in the Tutoring Program @ UA**  
Helped integrate and advise 20 new students  
| 2018 – 2020