

DIOGO SOBRAL

Software Engineer

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EDUCATION

Integrated Master's in Informatics Engineering University of Minho

Sep, 2016 – Mar, 2022 Braga, Portugal

- Areas of Expertise: **Distributed Systems** and **Parallel and Distributed Computing**
- Thesis title: **Consensus in High Performance Computing**
- Grade: **17/20, A (ECTS)**

EXPERIENCE

Summer Intern

Any Brain

Jul, 2019 – Sep, 2019 Braga, Portugal

- Performed a study about the performance of **Light-GBM**, **H2O**, and **Sci-Kit** in one of the company's datasets.
- Implemented a server cache **Redis** to speed up the access to data and reduce the demanded bandwidth.

React Developer Freelancer

Jan, 2021 – Feb, 2022 Braga, Portugal

- Developed the front-end of the result's platform of **European Master Athletics Championships Indoor 22**.
- Designed and implemented a fully configurable web solution for the annual **Meeting Braga** event.

IMPACTFUL EXPERIENCES

Just a Change's "Camp In", "Keep Up" and "All In" Initiatives

Just a Change

Ago, 2020 – Present Portugal

- **Coordinated** multiple teams during house interventions over periods of 1-2 weeks.
- Integrated the **direction** team of Óbidos 22 camp.

Member of UDREAM's Program

U.DREAM

Oct, 2019 – Jul, 2021 Braga, Portugal

Head of External Relations Division

SEI'19

Oct, 2018 – Feb, 2019 Braga, Portugal

PROJECTS

XPadel Court Solutions

Mar, 2022 – Present Braga, Portugal

- Built a product to automate the video recording, ease scoring and retrieve exercise statistics during the rental of Padel courts.
- Developed following **Microservices** principles and using **AWS Kinesis**, **Express**, **React** and **IoT** devices.
- More information [here](#).

Nite, a digital drinking card for pubs and night-clubs

Informatics Engineering Project

Sep, 2020 – Feb, 2021 Braga, Portugal

- **Managed** and **coordinated** a team of 9 during all stages of the product development life cycle.
- **Led** the part of the team responsible for the mobile app (**React Native**) for the consumer.

Fault-tolerant Supermarket

Fault Tolerance Classes

Feb, 2020 – Jun, 2020 Braga, Portugal

- Implemented a fault-tolerant supermarket in **Java** using passive replication.

PROUD ACHIEVEMENTS



Social Involvement in my Community

Served in multiple organizations that address distinct social problems.



Restructure of my local table tennis club

Helped restructure my local table tennis club which led to an improvement in its management and training quality.

SKILLS

C & C++

Java

Python

SQL

MongoDB

Algorithms & Data Structures

Javascript

Nodejs

React Native

React

NextJs

TailwindCSS

Creativity

Critical Thinking

Resilience

HPC SKILLS

Multithreading

Optimization

Cache Efficiency

Concurrent Computing

Distributed Computing