



# João Oliveira, BsC

*I'm a 21 years old student currently pursuing a Master's degree. I am continuously seeking for new ways to push myself and broaden my abilities and knowledge.*



oliveira002



Portfolio



oliveira002



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## Education

### BSc in Informatics and Computing Engineering

Faculty of Engineering - University of Porto

Graduation grade: 16/20

September 2020 - June 2023

Porto, Portugal

### MSc in Informatics and Computing Engineering

Faculty of Engineering - University of Porto

Current grade: 17/20

September 2023 - Present

Porto, Portugal

### Certificate in Advanced English

Cambridge Universite Press & Assessment English

C1 Advanced: 196/210

November 2020

Porto, Portugal

## Skills

**Frontend** HTML, CSS, JavaScript, ReactJs & Angular

**Backend** Python, C/C++, Java, NodeJs, PHP & Laravel

**Databases** MySQL, MongoDB & PostgreSQL

**Methodologies** Agile & Scrum

## Experience

### Curricular Internship at Fraunhofer Portugal

Integrated a team with the goal of developing a full-stack application for seamless management and visualization of sensor data, geared towards IoT functionalities.

February 2023 - June 2023

Porto, Portugal

## Projects

### SensorHub

Curricular Internship

Developed a full-stack application, in collaboration with Fraunhofer Portugal, that supports the communication and configuration of a Kallisto sensor device via USB and MQTT. It enables real-time visualization, storage and exportation of the sensor values.

February 2023 - June 2023

Porto, Portugal

### Online Shoppers Intention

Machine Learning

Machine learning project that employs supervised learning to predict whether users are likely to make a purchase. By scrutinizing diverse data and patterns, it provides businesses with insights to tailor strategies, offering a glimpse into the future of online retail dynamics.

February 2023 - June 2023

Porto, Portugal

### WeBid

Database and Web Applications Laboratory

Website capable of supporting an online auction service. The platform enables quick interaction between vendors and buyers, highlighting real-time bidding dynamics and guaranteeing safe transactions. Built using the Laravel framework paired with a PostgreSQL database.

September 2022 - January 2023

Porto, Portugal

### Collaborative Cloud-based Shopping Lists

Large Scale Distributed Systems

Developed a distributed, collaborative, local-first, cloud-based shopping list application using Conflict-Free Replicated Data Types (CRDTs) for conflict resolution. The back-end boasts an highly available key-value store inspired by the Amazon Dynamo paper.

October 2023 – December 2023

Porto, Portugal