

# Rui Pina

Porto, Portugal

+351 919 153 063 | ruiropina02@gmail.com

## EDUCATION

### Instituto Superior de Engenharia do Porto

Bachelor in Informatics Engineering

Porto, Portugal

Expected 2023

- **GRADE:** 15.6 / 20.0
- **Relevant Coursework:** Networking / Computer Systems / Data Structures

## PROJECTS

### SPOMS

Porto, Portugal

Java | C

Feb 2022 – Jul 2022

- Worked with a team of 4 developers to implement a solution for a Industry 4.0 management software (selling of products and warehouse management).
- Applied Tuckman's stages of group development.
- Implemented a CLI interface for clients to View/Add to Cart/Buy products.
- Developed an Automated Guided Vehicle digital twin using C to prepare client's orders by getting the items in the warehouse.

### CARGO MASTER

Porto, Portugal

Java | C

Oct 2021 – Jan 2022

- Developed CLI based application performing route and container positioning optimization on ships.
- Used Data Structures to apply routing heuristics on a global fleet.
- Researched, analyzed and developed a solution for container positioning based on each ships' characteristics and centre of mass.
- Established containers' isolation materials in order to cope with extreme heat variations along the multi continental routes.

### MANY LABS

Porto, Portugal

Java | JavaFX

Feb 2021 – Jul 2021

- Implemented a Clinical Analysis management system capable of supporting blood and COVID-19 Tests.
- Created the solution around the methodical process of the company. From the sample collection to sending test results to the clients.
- Analyzed test data using Hypothesis Tests and Simple and Multi-linear Regression to get feedback on the company's efficiency.
- Sent the COVID-19 data from all labs in the network to the National Health System.

## SKILLS, ACTIVITIES & INTERESTS

**Languages:** Fluent in Portuguese and English; Basic knowledge in French

**Technical Skills:** Java, C, JavaScript, React

**Certifications & Training:** Cambridge English Scale Score 200 [C2]

**Activities:** Trombone player at the Orchestra of Academia de Música de Vale de Cambra

**Interests:** Driving, Traveling Abroad