

Rui Pina

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EDUCATION

Instituto Superior de Engenharia do Porto
Bachelor's in Informatics Engineering

Porto, Portugal
Expected 2023

- **Relevant Coursework:** Networking / Computer Systems / Data Structures / System Architecture

PROJECTS

SPOMS

Java | C

Porto, Portugal

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

Java | C

Porto, Portugal

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

Java | JavaFX

Porto, Portugal

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.

VOLUNTEERING ACTIVITIES

Smithsonian Digital Volunteers

Culture

Remote

Sep 2021 –

- Worked on 17 projects, working on the transcription of 72 pages and still counting.
- Enabled copiable culture contents for posterior usage in books, research, theses, etc.

Isep Mentorship Program

Mentorship

Porto, Portugal

Oct 2021 – Nov 2022

- Integrated and mentored a freshman through the mentorship program at ISEP.

SKILLS, ACTIVITIES & INTERESTS

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

Technical Skills: Java, C, Dotnet, Node, Typescript, Angular

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

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