

EDUCATION

- University of Oporto, FEUP**
Porto, Portugal

BSc. + MSc. in Informatics and Computing Engineering. GPA: 18/20 (top 3%)
2015 – 2020

EXPERIENCE

- Klarna**
Berlin, Germany

Software Engineer
Oct 2020 - Present
 - Consumer Banking:** Moved to Berlin as part of the Klarna's 2020 Graduate Program. Working on the new consumer banking offering mostly as a Backend Engineer, focused on automating regulatory work.
- LTPLabs**
Porto, Portugal

Junior Business Analyst
Feb 2020 - Jul 2020
 - MSc Thesis:** Part of the development team of REACT, an analytics system being implemented for a large national retailer. My focus is on designing and deploying scalable Machine Learning models for price elasticity prediction.
- INESC TEC**
Porto, Portugal

Research Assistant
Jan 2019 - August 2019
 - CSIG:** Part of the development team of MELOA, part of the Computer Graphics and Information Systems department. Designed and developed a real time data streamer to authenticate, deliver, and load balance requests sent from IoT devices.
- University of Porto, FEUP**
Porto, Portugal

Teaching Assistant
Sep 2017 - Dec 2018
 - Computer Laboratory (CL, 2017 & 2018):** As a working student assisted a Professor during CL classes, a course of my BSc program. Taught mostly on implementing low-level device drivers on a VM running Minix OS.
 - Computer Graphics (CG):** Also assisted CG classes, part of same program. Taught mostly by guiding students through building guided projects with WebGL to learn the basics of computer graphics algorithms and structures.
- Freelancing**
Porto, Portugal

Web Development
Summers 2015/16
 - Pro Bono:** Spent early university summers designing and developing websites. Clients ranged from Music Producers to Agricultural Companies.
- Handball**
Porto, Portugal

Professional Player
2015 – Sep 2020
 - ADA Maia/ISMAI:** Played professional handball during my university years, following 11 years playing the sport as a (serious) hobby. Portugal's first division, practices 5 days a week, matches on weekends.

OTHER PROJECTS

- Semana de Informatica (2018):** Website for the 2018 version of informatics and software engineering based conference Semana de Informatica, which ran for four days at FEUP. Node.js, Vue. (<https://2018.sinf.pt>)
- Retro Reversi (2017):** Open source Android app of the popular board game Reversi, featuring an AI, a retro design, and online multiplayer. Java, Android.
- Presto (2018):** SPA where people can ask questions and contribute with answers, enabling a community of insights on a wide variety of topics. Worked on the REST API design, and front-end development. Laravel, Vue, Docker.
- University Application Simulator (2017):** Web app that simulates the calculations required by students applying to a University through the public system. Works for multiple (Portuguese) educational models. JavaScript, HTML/CSS.

TECHNICAL SKILLS

- Languages:** JavaScript/TypeScript, Python, Java, C, C++, Prolog, SQL, HTML/CSS, Pony
- Skills:** DevOps, Cloud Computing, Web Development, Machine Learning, Bioinformatics Methodologies, Data Structures, Compilers, Databases, Low-Level Device Drivers, SE Methodologies, Graphics Computing
- Technologies:** Node.js, Docker, Vue, Express, Pandas Ecosystem, RabbitMQ, PostgreSQL, Jekyll, React
- Languages:** Portuguese (native), English (professional proficiency), Spanish (elementary proficiency)