

Employment

Frontend Engineer, Part-time **Motius - Munich, Germany** **Nov 2018 - Mar 2019**

BMW Fleet Intelligence - Realtime Map

- Separate a React Redux monolith application into modular packages to be consumed by multiple applications.
- Refactor functions relying on global state into classes receiving state in the constructor.
- Improve apparent startup load time by initializing layers asynchronously.
- Technologies used: React, Redux, OpenLayers

Global Data Aggregation Tool

- Create React PWA to unify data gathering for a global company
- Works offline and syncs when online again

CEO **Audere - Porto, Portugal** **Feb - Jun 2018**

- Led virtual software company comprised of 40 students working with real clients, such as Deloitte and Armis Group
- Regular meetings with the team leaders and Chief Marketing and Business Officers
- Skills learned: Team Management, Conflict Management, Dealing with Underperformance

President **ENEI - Porto, Portugal** **Dec 2016 - Mar 2018**

- Co-led team to organize a 700-student conference over 4 days in Porto, Portugal, breaking the attendance record
- Regular meetings with the 27-team to assess the status and discuss next steps
- Contact with city council and multiple companies to obtain sponsorships; contact speakers to talk at the event
- Skills learned: Team Management, Conflict Management, Negotiation

Frontend Engineer, Intern **Sonodot - London, UK** **Summer 2018**

Smart Warehouse Dashboard

- Meetings with CEO to discuss which features to implement in order to deliver the most value to the customer
- Developed smart warehouse dashboard with realtime features drawn on a map
- Technologies used: React, Redux, OpenLayers, TypeScript, WebSockets

Full-Stack Engineer, Part-time **Freelance - Porto, Portugal** **Jan - Jun 2018**

Cryptocurrency Trading Platform

- Met with client frequently to prioritize most valuable features
- Developed trading website, including an admin dashboard for monitoring the platform's state.
- Implemented backend with different access levels and integrated with Bitstamp API for cryptocurrency transfers.

Education

Porto, Portugal **University of Porto (FEUP)** **Sep 2014 - Jul 2019**

- Integrated Master's (B.S. + M.S.) in Informatics and Computer Engineering, Average grade: 17 (out of 20)
- Skills obtained: algorithms and data structures, object oriented programming, (agile) project management, databases, operating systems, software engineering, distributed system, software architecture and computer security.

Munich, Germany **Technical University of Munich** **Oct 2018 - Mar 2019**

- Exchange student at TUM
- Skills obtained: cloud computing, data mining, internet of things, entrepreneurship.

Technical Experience

Projects

- **Slowread DoS Attack** (Apr - May 2018). Implementation of the Slowread DoS attack for Computer Security class using HTTP pipelining for better results. Rust, Computer Security.
- **Distributed Hash Table** (Apr 2017 - June 2017). Implementation of a Distributed Hash Table using the Chord protocol in order to allow for files to be encrypted and then backed up, restored and replicated in a network of peers. Best grade in class. Java, DHT, Chord.
- **Crowdfunding for Social Impact Website** (Oct 2017 - Jan 2018). Website and backend to serve as a community where good willed people can create campaigns and to donate to useful projects through the Stripe API. The project was developed in an agile setting with 2-week sprints. HTML, CSS, JavaScript, Elixir, Agile.

Additional Experience and Awards

- **Teaching Assistant (Sept 2017 – Jan 2018):** Teaching Assistant to the Algorithms and Data Structures subject at FEUP. Taught object-oriented C++, data structures and algorithms.

Other Skills

- Languages: Portuguese (native), English (advanced), Spanish (intermediate), German (beginner)
- Advanced user of JavaScript; HTML; CSS; React/Redux; Node; Express; Git; Java
- Intermediate user of SQL; C++; C; Rust;