

# Ana Carraca

(+49) 1575 7552219 • ana@carraca.me • carraca.me

## Experience

---

### Mecuris GmbH

Fullstack Developer

Lead developer for Mecuris' flagship solution platform, a web application which allows Orthopedists to customize 3D printed individualized prosthetics. The main technologies employed are Angular, Three.js, Node.js, Magento E-Commerce (PHP/MySQL). As the most senior technical person, responsibilities include the specification and refinement of stakeholder requirements, iterative implementation of prototypes to test new tools and technologies and setting the quality standards (tests, code reviews, clean code, ...) for software projects company-wide.

Munich, Germany

10/2017–Now

### TerminApp GmbH

Fullstack developer

Main responsible for developing an internal management system (React and Node.js), and an external API for developers (Node.js). Developed a storage layer to manage multiple database locations and standardize the business logic. Implemented general backend features to extend the company's main application.

Munich, Germany

5/2017–10/2017

### Next Generation Mobility GmbH & Co. KG

Backend & Mobile developer

Backend: Responsible for bridging communication between a set of services for the company's fleet management application. These independent services range from embedded software reporting the current status of a vehicle to communication with the customer.

Mobile: Responsible for the development of multiple car sharing Android/iOS apps using React Native, allowing the customer to check for vehicle availability and interact with the vehicle hardware.

Munich, Germany

1/2016–4/2017

### Moontrip IT

Backend developer

Sole responsible for developing the backend for the company's flagship product, a travel search engine that recommends travel packages based on user specified criteria (climate, budget, etc.). Implemented a flight desirability ranking algorithm using machine learning techniques. Developed front-end components using React.

Porto, Portugal

3/2015–12/2015

### MOVE Microfinance

Fellow

Volunteer in a Portuguese NGO, working in the microcredit and entrepreneurship area in the Mozambique Island. It aims to help people create and develop their own businesses, offering credit and support to achieve better results.

Mozambique Island, Mozambique

9/2014–2/2015

### Serious Games Institute (Coventry University)

Intern, Master's thesis

Development of a procedurally-generated location based game that improves presentation of tourism information. The user study conducted showed the game provided a positive user experience.

Coventry, UK

2/2014–7/2014

### Center for Cognitive Sciences (Albert-Ludwigs-Universitaet Freiburg)

Intern

Developed a model for multi-agent simulation of passengers' flow through Frankfurt airport. The application was further extended to allow researchers to visualize and interact with it by using multiple attached Oculus Rift headsets.

Freiburg, Germany

7/2013–9/2013

## Education

---

### Faculty of Engineering, University of Porto

Master in Informatics and Computer Engineering

Porto, Portugal

2013–2014

### Barcelona School of Informatics, Polytechnical University of Catalunya (Erasmus Programme)

Master in Information Technologies

Barcelona, Spain

2012–2013

### Faculty of Engineering, University of Porto

Bachelor in Informatics and Computer Engineering

Porto, Portugal

2009–2012

## Skills

---

Programming.....

**Experienced:** JavaScript, TypeScript, Angular, Node.js, React, React Native, Web Services, GitLab, HTML, CSS

**Familiar with:** Gulp/Grunt, Webpack, Ember.js, three.js, React, Unity 3D, LaTeX, Python, E-Commerce, MongoDB, MySQL

**Used in the past:** Docker, AngularJS, Matlab, C#, Ruby on Rails

Languages.....

Portuguese - Mother Tongue, English - Fluent, German - Fluent, Spanish - Basic

## Extracurricular

---

**Coder Dojo:** Taught programming basics to children aged 7 to 17 on a volunteer basis.

**AV technician:** Provided technical support (light, audio and video) to any event happening in the faculty.

**Social Action Group of the University of Porto:** Volunteered regularly with developmentally challenged children.

**Musical Studies:** Completed the 5th degree in Classical Guitar and played for the musical group of the university.

**Portuguese Scout Movement:** Training of leadership and group work skills.