Carlos Ferreira

Full Stack Developer

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🕐 Age 23 (Sept. 1997)
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WHO AM I?

Young developer wanting to build powerful, quality software. Motivated to deliver products not just exceptional in execution but also useful to the world. Flexible, able to learn new processes and technologies. Capable of performing both solo and in a team. Willing to go the extra mile to make sure things get done right.

`JavaScript` `Java` `TypeScript` `Python` `C#`
`Dart` `SQL` `MongoDB` `NodeJS` `Angular`
`Express` `Firebase` `Spring` `Flutter` `Unity`

EXPERIENCE

2019 – 2020 — **Internship at a Software Company** — *Jscrambler*
Internship at Jscrambler, a JavaScript code obfuscation company, while working on my Master's Degree dissertation named "Exploiting Graph Search Algorithms to Optimize a JavaScript Compiler" (company supervisor: Tiago Carvalho). Developed multiple algorithms and strategies that improved the performance of the company's core commercial product by up to 30%, on average.

2018 — **Collaborative Telepathology Platform** — *University of Aveiro*
Final Bachelor's Degree project. Worked in a team of 5 to develop a platform supporting real-time multi-user editing of very high resolution medical images (60000x60000 or larger).

6/2017 – 6/2018 — **Volunteer Work at a Software and Hardware Store** — *Infortocha*
Co-supervisor of professional school students during their internship at Infortocha (contact: 965 715 024), helping and directing them in their programming tasks.

3/2015 *event* — **RoboParty 2015** — *RoboParty*
Represented my high school in a country-wide programming competition where teams had to build the fastest and most efficient AI, capable of traversing obstacle courses in record time. Robots were built and programmed using Arduino boards.

EDUCATION

2018 – 2020 — **Master's Degree in Software Engineering** — *University of Porto*
Mestrado em Engenharia de Software – **17/20 GPA**. Relevant courses: Thesis **(18/20)** (supervisor: Dr. Nuno Flores); Teste, Ve-rificação e Validação de Software **(17/20)**; Compreensão e Evolução de Software **(19/20)**; Segurança em Engenharia de Software **(17/20)**; Computação Orientada a Serviços e Nuvem **(17/20)**; Seminários em Engenharia de Software **(19/20)**.

2015 – 2018 — **Bachelor's Degree in Computer Science** — *University of Aveiro*
Licenciatura em Engenharia Informática – **16/20 GPA**. Relevant courses: Métodos Probabilísticos Para Engenharia Informática **(18/20)**; Padrões e Desenho de Software **(18/20)**; Complementos de Bases de Dados **(17/20)**; Algoritmos e Estruturas de Dados **(17/20)**; Cálculo I **(17/20)**; Cálculo II **(16/20)**; Introdução à Computação Móvel **(18/20)**.

PROFICIENCY

Portuguese - native speaker
English - extremely fluent
Spanish - fluent comprehension

HOBBIES

Catching up with innovations in the fields of comp sci and health; Game design; Automation of computer-related tasks.

GOALS

Further acquisition of experience with new technologies and in team environments; Participating in the construction of great, memorable software.