

João Fraga

SOFTWARE ENGINEER

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Experience

Undergraduate Research, Consensus Protocol DSL

RESEARCHER

Covilhã, Portugal

Oct. 2020 - Dec. 2021

- Funded by FCT and in collaboration with Universidade NOVA de Lisboa
- Researched existing consensus protocols in distributed systems, specifically blockchain consensus protocols
- Developed a DSL for generic consensus algorithms and integrated it with blockchain simulation tool – MOBS

A 50 Passos

FULL STACK DEVELOPER

Porto, Portugal

Jul. 2019

- Created the company's website: www.a50passos.pt.
- Created the company's email system: @a50passos.pt
- Set up the company's servers

Skills

Programming	OCaml, Haskell, C/C++, Java, Python, Javascript, Assembly
Systems	Linux, Shell, Docker
Front-end	React
Back-end	Express, Flask
Databases	SQL

Education

Universidade do Porto (FCUP)

MSC IN COMPUTER SCIENCE

Porto, Portugal

Oct. 2021 - Current

- Specialization in Reliable Computing

Universidade da Beira Interior (UBI)

BSC IN COMPUTER SCIENCE AND ENGINEERING

Covilhã, Portugal

Sep. 2017 - Jun. 2021

Competitive Programming

INTERNATIONAL

2020 **Participant**, SWERC - Institut Polytechnique de Paris

Paris, France

DOMESTIC

2019 **Participant**, MIUP - Instituto Superior Técnico Lisboa

Lisboa, Portugal

2018 **Participant**, MIUP - Universidade Beira Interior

Covilhã, Portugal

Spoken Languages

C2 **Portuguese**, Mother Tongue

Proficient

C2 **English**, Second Language

Proficient

A1 **Spanish**, Second Language

Beginner