

Curriculum Vitae

José Duarte

2021

Work Experience

Open Source Contributor

Several Projects - *Since 2018*

- Foam - a personal knowledge management system for VSCode.
- Novathesis - \LaTeX template for MSc and PhD thesis.
- `#sealed` - a Rust macro implementing the sealed trait pattern.

RootLee Capture the Flag Team

Co-founder, Team Captain & Player - *March 2020 / Present*

- Overview and organize team participation in the competitions.
- Participated in the CSAW Finals 2020 and ended 4th place in the national rank.
- As a player, I mostly focused on the Web, Crypto and Reversing categories.

FCT NOVA Cybersecurity Group

Co-founder, Administrator & Speaker - *September 2018 / March 2020*

- Manage the group.
- Host weekly workshops.

Caixa Mágica

Summer Internship - *June 2019 / September 2019*

- Developed an Android library and demo app for the Portuguese Citizen Card.

NOVA-FCT/NOVALINCS

Research Project - *February 2018 / July 2018*

- Partnership with IPMA.
- Hands-on experience with CUDA.
- Developed a simulation model for the Fire Weather Index.

Personal Tutor

Tutored several students on a variety of CS-related topics - *Since 2016*

- Introduction to Programming - C programming.
- Programming Concepts - Introduction to Haskell and functional programming.
- Computer Networks.

Education

Computer Science MSc

NOVA-FCT — *September 2015 / Present*

Modelação e Validação de Sistemas Concorrentes	18
Algoritmos e Sistemas Distribuídos	17
Confiabilidade de Sistemas Distribuídos	17
Segurança de Redes e Sistemas de Computadores	17
Redes de Computadores	17
Arquitetura e Protocolos de Redes de Computadores	16
Sistemas de Computação em Cloud	16

TU Dresden — *September 2018 / March 2019*

Knowledge Graphs	17
Parallel Programming and High-Performance Computing	16
Application Development for Mobile and Ubiquitous Computing	16

Skills

Professional Skills

Programming Languages

- Java
- Kotlin
- Rust
- Python
- Go
- C
- Bash

Tools & Platforms

- Linux
- Git
- Azure
- Heroku
- Docker
- Maven
- Gradle

Soft Skills

- Teamwork
- Critical thinking
- Eager to learn
- Receptive to feedback
- Open minded
- Detail oriented

Languages

- Portuguese — Native
- English — Proficient
- Spanish — Basic understanding