



# Eduardo Espadeiro

SOFTWARE ENGINEER

espadeiro.pt  EdSwordsmith  EdSwordsmith

## EXPERIENCE

### freiheit.com

SRE

Lisbon, Portugal

Jan. 2025 - Jul. 2025

- Worked on Kuberpult, used to assist with managing deployments of different versions of microservices in kubernetes.
- Worked with Terraform, Kustomize, Argo CD, as well as Google Cloud Platform and Azure.

### INESC-ID

RESEARCH INTERN

Lisbon, Portugal

May. 2023 - Nov. 2024

- Worked on my thesis, supervised by Prof. António Menezes Leitão, developing Liberalitas, a Metaobject Protocol for the Julia programming language, which brings an object system where its behavior is defined in protocols, making it possible for users to adjust it in order to suit their needs.

### Instituto Superior Técnico - Computer Science Dept.

TEACHING ASSISTANT

Lisbon, Portugal

Sep. 2022 - Jul. 2024

- Taught and graded the lab classes of the Foundations of Programming course for the school years of 2022/2023 and 2023/2024.
- Taught the lab classes of the Compilers course for the school years of 2022/2023 and 2023/2024.

### Instituto Superior Técnico - Computer Science Dept.

SOFTWARE ENGINEER

Lisbon, Portugal

May. 2021 - May. 2024

- Developed and maintained several support applications, as well as the Department's infrastructure (using Ansible).
- Developed the new MSc Thesis management system (using Java, Spring Boot, Vue and Typescript).

## EXTRACURRICULAR

### Clube de Cervejeiros do Instituto Superior Técnico

RESEARCH & PRODUCTION TEAM MEMBER

Lisbon, Portugal

Nov. 2023 - Present

Worked on the club's website and assisted in brewing craft beer.

### GameDev Técnico

MEMBER & INFRASTRUCTURE COORDINATOR

Porto Salvo, Portugal

Apr. 2022 - Present

Participated in Game Jams. Worked on the Cubos Game Engine. Responsible for the IT infrastructure and the group's website.

## EDUCATION

### Instituto Superior Técnico - University of Lisbon

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Cumulative GPA: **17** / 20

Sep. 2022 - Nov. 2024

- Elected Students' Year Representative (2022/2023 and 2023/2024 academic years) and Degree Representative (2022/2023).

### Instituto Superior Técnico - University of Lisbon

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Cumulative GPA: **15** / 20

Sep. 2019 - Jul. 2022

- Elected Students' Year Representative (2019/2020 and 2020/2021 academic years).

## SKILLS

**Programming** Rust, C/C++, Java, Python, JavaScript/TypeScript, Zig, Go, Julia, Common Lisp, SQL

**Tools** Git, Docker, Nix (Package Manager), Ansible

**Operating Systems** Linux (Currently using NixOS), macOS, Windows

**Languages** Portuguese (Native), English (C1)