

Henrique Sardo Fernandes

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SUMMARY

Since I was very young, I've had a great interest in software engineering and the transformative power of technology in our world. I hold a BSc in Informatics and Computing Engineering from FEUP and am currently pursuing an MSc in the same field, where I am further developing my skills and knowledge. I am particularly interested in backend systems, DevOps, cloud architecture, and networking, with a passion for building resilient and efficient systems that support modern applications.

WORK EXPERIENCE

Research Fellow (Research Initiation Grant) - INESC TEC Oct 2025 - Present

For my Research Initiation Grant at INESC TEC, I have been working on enhancing the security of DevOps environments, focusing on GitHub Actions and GitLab pipelines. My work involves analyzing current security limitations, evaluating static and dynamic analysis tools, and developing customized mechanisms to improve the robustness and safety of automation workflows.

Software Engineer Intern - ARMIS Feb 2025 - Jul 2025

For my Capstone Project at FEUP, I interned at Armis, where I worked with Intelligent Electronic Devices (IEDs) and developed a simulation environment for them. My work focused on leveraging Microsoft technologies and a microservices architecture to create a scalable and efficient testing framework.

EDUCATION

2025 - present	MSc in Informatics and Computer Engineering at FEUP	
2022 - 2025	BSc in Informatics and Computer Engineering at FEUP	(17/20)
2013 - 2019	Classical Piano at Aveiro Calouste Gulbenkian Music Conservatory	

EXTRACURRICULAR ACTIVITIES

Co-Head of Projects, NIAEFEUP Oct 2024 - Present

- Manage project scope, kick off new initiatives, and support ongoing technical work.
- Contribute to the development of UNI, a mobile app for student services (schedules, exams, dining).
- Develop and maintain infrastructure and DevOps for backend systems on the NIploysments project.

President of the General Assembly, ACM FEUP Student Chapter Oct 2023 - Present

- Oversee the internal governance of the organization, ensuring activities align with its statutes and strategic direction.
- Previously served as Director of the Events Department, where I planned, coordinated, and executed a variety of technical and soft-skills workshops.

SKILLS

Programming Languages	C, C++, Python, Java, TypeScript, PHP, C#
Frameworks/Libraries	Flutter, React, Laravel, Next.js
Cloud/DevOps	DevOps, Kubernetes, Infrastructure as Code, Google Cloud, Docker
Concepts	Backend Systems, Microservices, Distributed Systems, System Design