

Matilde Silva

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EXPERIENCE

Software Developer Engineer

Sep. 2025 - Present

Amazon Web Services

Dublin, Republic of Ireland

- Member of AWS Lambda, working on new language launches and current versions maintenance

Academic Researcher

Feb. 2025 - Aug. 2025

SYSTEC - Research Center for Systems and Technologies

Oporto, Portugal

- Conducted experimental research on adaptive edge/fog computing architectures for IIoT, addressing privacy, scalability, and fault-tolerance limitations in current approaches
- Authored and submitted a research paper to the ICINCO 2025 conference, presenting a GDPR-compliant, event-driven architecture

iOS Internship

Jul. 2024 - Aug. 2024

Sky Portugal

Aveiro, Portugal

- Selected as one of 900+ candidates nationwide for a 2-month summer internship for recent graduates based on soft skills and character traits
- Developed, implemented and tested in-app toast notifications using Swift and SwiftUI

Intelligent Transport Systems Internship

Feb. 2023 - Jul. 2023

Armis Intelligent Transport Systems

Oporto, Portugal

- Selected as one of 50+ candidates for a 6-month curricular internship based on academic success and skill potential
- Engineered a Machine Learning model to determine Traffic Status based on traffic data
- Deployed REST API, with Azure Cloud Services, to communicate with the server running the ML model

TECHNICAL SKILLS

Languages: Portuguese (native), English (fluent - C2 Proficient Level)

Programming Languages: C/C++, Golang, Haskell, Java, Javascript, PHP, Python, Rust, SQL, Swift, Typescript

Frameworks: Flutter, Laravel, NodeJS, ReactJS, SvelteKit, SwiftUI

Developer Tools: Android Studio, Docker, Figma, Git, Jenkins, Jira, Jupyter Notebook, Linux, Microsoft Azure, Visual Studio Code, XCode

EDUCATION

University of Porto

Sep. 2023 - Aug. 2025

Master's in Informatics and Computing Engineering

Oporto, Portugal

- Specialization in IIoT, combined with courses on management and soft skills
- Final Grade: 16/20

Technische Universität Wien

Sep. 2024 - Feb. 2025

Exchange Program Erasmus+

Vienna, Austria

University of Porto

Sep. 2020 - Jul. 2023

Bachelor's in Informatics and Computing Engineering

Oporto, Portugal

- Comprehensive education on the major fields of IT: Software development, data structures and algorithms, computer architecture, operating systems, computer networks, databases, cybersecurity, computer graphics and artificial intelligence
- Final Grade: 15/20

ADDITIONAL WORK

Computer Graphics and Multimedia Nucleus

Sep. 2023 - Jul. 2025

- Participated in the organization of different game and media related events that brought together 60+ attendees
- Worked on the Entrepreneurial Relations department for the National Informatics Student Meetup (ENEI 2025) that brought together 700+ attendees

Formula Student Driverless FEUP

May 2023 - Sep. 2023

- Researched and developed technologies for autonomous driving systems