

# Matilde Silva

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## EDUCATION

### University of Porto

Sep. 2023 - Jul. 2025

*Master's in Informatics and Computing Engineering*

*Oporto, Portugal*

- Specialization in Networks and Information Technologies
- Complementary education in management and soft skills
- Current 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

## TECHNICAL SKILLS

**Languages:** Portuguese (fluent), English (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, Jupyter Notebook, Linux, Microsoft Azure, Visual Studio Code, XCode

## EXPERIENCE

### 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

## EXTRACURRICULARS

### Computer Graphics and Multimedia Nucleus

Sep. 2023 - Present

- 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

## PROJECTS

### NetKing | [Typescript](#), [Rust](#), [Docker](#), [Tauri](#)

Feb. 2024 - Jul. 2024

- Created a network management system to facilitate visualization and virtualization of networks
- Employed Docker containers to host different services, such as Nginx servers and a built from scratch DNS server

### List Llama | [Golang](#), [ReactJS](#), [RabbitMQ](#)

Sep. 2023 - Jan. 2024

- Developed a concurrent shopping list application based on Conflict-Free Replicated Data Types (CRDTs)
- Architected a load-balancing service with an orchestrator to handle client requests to servers
- Implemented a shopping list sharing feature through the use of URLs