

# Matilde Silva

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## TECHNICAL SKILLS

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**Languages:** C/C++, Golang, Javascript, Python, Rust, SQL, Swift, Typescript

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

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

## EDUCATION

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### University of Porto

*Master's in Informatics and Computing Engineering*

*Current Grade: 16/20*

Sep. 2023 - Jul. 2025

*Oporto, Portugal*

### Technische Universität Wien

*Exchange Program Erasmus+*

Sep. 2024 - Feb. 2025

*Vienna, Austria*

### University of Porto

*Bachelor's in Informatics and Computing Engineering*

*Final Grade: 15/20*

Sep. 2020 - Jul. 2023

*Oporto, Portugal*

## EXPERIENCE

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### iOS Internship

*Sky Portugal*

Jul. 2024 - Aug. 2025

*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

*Armis Intelligent Transport Systems*

Feb. 2023 - Jul. 2023

*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

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### Computer Graphics and Multimedia Nucleus

- Part of the organization of different game and media related events that brought together 60+ attendees

### Formula Student Driverless FEUP

- Research and development of technologies to be used in automated systems assisted by Artificial Intelligence

Sep. 2023 - Present

May 2023 - Sep. 2023

## PROJECTS

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

Feb. 2024 - Jul. 2024

- Created a network management system to facilitate visualization and virtualization of networks with a partner
- 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