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 (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

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