

ANA SOFIA SILVA PINTO

INFORMATICS AND COMPUTING ENGINEERING

Porto, Portugal
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Dedicated Informatics and Computing Engineering student pursuing a **Bachelor's (expected 2025)** and **Master's (expected 2026) concurrently**, with expertise in full-stack development, databases, and agile methodologies. Seeking a summer internship to leverage technical skills in software development and contribute to innovative solutions.

EDUCATION

DUAL ENROLLMENT: BACHELOR'S + MASTER'S

BACHELOR IN INFORMATICS AND COMPUTING ENGINEERING

Faculty of Engineering, University of Porto (FEUP) | 2021-2025 (Expected)

- Relevant coursework: Algorithms, Software Engineering, Web Development, Databases

MASTER'S IN NETWORK AND INFORMATION SYSTEMS ENGINEERING

Faculty of Sciences, University of Porto (FCUP) | 2024-2026 (Expected)

- Advanced networking, distributed systems, cybersecurity

PREVIOUS STUDIES

BACHELOR IN NETWORK AND INFORMATION SYSTEMS ENGINEERING

Faculty of Sciences, University of Porto (FCUP) | 2020-2021

- Transferred to FEUP to broaden focus on software development.

TECHNICAL SKILLS

- **Programming:** C/C++, Python, Java, JavaScript, PHP, HTML/CSS, Dart
- **Databases:** MySQL, PostgreSQL, SQLite
- **Tools:** Git, Docker, REST APIs, Agile/Scrum
- **Soft Skills:** Leadership, teamwork, adaptability, problem-solving
- **Languages:** Portuguese (Native), English (Fluent), Spanish (Basic)

PROJECTS

SprintHive - a Project Management Platform (PHP, JavaScript, MySQL)

- Developed a Laravel-based platform enabling task management and team collaboration, improving workflow efficiency
- This platform empowers users to create and manage projects, define tasks, and foster communication.
- Applied agile methodologies for iterative development.

Routing Algorithm for Ocean Shipping and Urban Deliveries (C++)

- Optimized path-finding for logistics using graph theory (Dijkstra's/A*) and multi-threading, reducing simulated delivery costs.
- Adapted Traveling Salesman Problem (TSP) solutions to maritime/urban constraints.

Uni Calendar (Dart, Flutter)

- Developed a mini-app to enhance university scheduling by integrating with Sigarra APIs.
- Designed an intuitive UI for quick access to events, scholar calendars, and notifications and Implemented personal calendar synchronization for better organization.

More projects can be seen on my Github page.

AFFILIATIONS

CIENTUNA - TUNA FEMININA DE CIÊNCIAS DO PORTO (2020-PRESENT)

- **Mandolin Section Lead:** Directed rehearsals, arranged music, and trained new members.
- **Digital Marketing Lead:** Currently building the group's new website, coordinated with other teams, promoted events through targeted campaigns (festival and album release)

ADDITIONAL INFORMATION

- **Interests:** Cyber security, new Technologies, Pop Culture, Music