Vanessa Queirós

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Curious and ambitious Informatics Engineering student, born and raised in Germany for 14 years, with strong skills in programming, algorithms, and software development. Passionate about low-level programming, software engineering, and algorithm design, seeking hands-on experience in collaborative environments.

Education

BS **FEUP - Faculty of Engineering, University of Porto**   Expected June 2025
Informatics and Computing Engineering
- Current grade: 17.08

Experience

ACM FEUP, Development Department's Leader   December 2023 - Present
- Led the department's projects and participated in their development
- Created a tool to facilitate the creation of marketing material for the team

Schmitt + Sohn Elevadores, Digitalization Intern   February 14 - Present
- Creating a route planning application for service technicians
- Developing a clustering algorithm, based on TSP, simulated annealing and MST, for optimizing route planning

Certificates

Personal Finance MBA   2024
Magma Studio Portugal

World's Largest Programming Class   2024
Instituto Superior Técnico, Lisbon

Projects

Scrumbled - GitHub: github.com/vanessa-sbq/Scrumbled ↗
- Developed a project management website, designed to use the Scrum Framework.
- Easy to use and helps users follow Scrum practices to ensure a good team collaboration
- Main Tools Used: PHP, Laravel, PostgreSQL

Owl Sort - GitHub: github.com/vanessa-sbq/OwlSort-AI ↗
- Sorting game, using AI search algorithms, such as A*, Greedy Search and Uniform Cost
- Tools Used: Python, Pygame

Stellawoods
- Currently working on a game engine for my own 2D platformer game
- Tools Used: C#, Monogame

Skills

Programming Languages: C++, C, Java, Python, RISC-V Assembly, C#, SQL, Haskell, Prolog, JavaScript, PHP, HTML, CSS

Technologies: .NET, Firebase, Scrum/Agile, Laravel, Monogame, Pygame, Unity
Languages: Portuguese (native), German (native), English (fluent), Spanish (basic), French (basic)