João Coelho

✉ jhcoelho03@gmail.com JoaoCoelho2003 in joaocoelho03

EDUCATION

Bachelor of Software Engineering
UNIVERSITY OF MINHO   *Set. 2021 - Jul. 2024*

Master's in Software Engineering
UNIVERSITY OF MINHO   *Set. 2024 - Present*

WORK EXPERIENCE

Yari Labs   *Braga, PT*
FRONTEND DEVELOPER INTERN   *Jun. 2024 - Jul. 2024*
- Developed and implemented features for a market website using Vue.js.
- Worked closely with backend developers to integrate frontend components with backend APIs.
- Participated in daily stand-ups and sprint planning meetings to prioritize tasks and track project progress.

CoderDojo   *Braga, PT*
PYTHON MENTOR   *Mar. 2024 - Present*
- CoderDojo is a free, volunteer-led, community-based computer club with the objective of teaching programming to a younger audience (ages 7-17).
- Engage as a dedicated volunteer Python mentor, empowering more than 30 young enthusiasts with coding skills and fostering a love for technology.

Cesium   *Braga, PT*
CAOS COLLABORATOR   *Mar. 2024 - Present*
- Cesium is a student organization at the University of Minho for software engineering students, providing opportunities for networking, collaboration, and skill development.
- Collaborate as a member of the CAOS (Centro de Apoio ao Open-Source) department, which is responsible for all software development activities within Cesium.

PROJECTS

Distributed Computing for Scalable Function Execution   *Braga, PT*
LEAD DEVELOPER   *Oct. 2023*
- Developed a cloud computing service for executing user-defined functions in a distributed environment.
- Designed and implemented a scalable system architecture with a central server managing task queues and coordinating multiple worker servers, enhancing scalability and fault tolerance.
- Established a task execution system allowing clients to submit code for execution on remote servers, with comprehensive error handling and result reporting.

CardBid   *Braga, PT*
DEVELOPER   *Nov. 2023*
- Dynamic web application using Blazor, C#, HTML, and CSS, aimed at facilitating card auctions and competitions among users.
- Implemented authentication and profile management features to ensure secure access and personalized experiences for users.
- Integrated a robust auction system allowing users to compete in real-time bidding wars for coveted cards.

SKILLS & INTERESTS

Technical:	Python, JavaScript, TypeScript, Elixir, Phoenix, Vue.js, Java, C++, C, C#, Rust, Haskell, MySQL, MongoDB, HTML, CSS, Tailwind CSS, Node.js
Language:	Portuguese (Native), English (Proficient)
Interests	Distributed Systems, Network Security, Cybersecurity, Artificial Intelligence, Machine Learning