

Pedro Monteiro

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About me

Informatics Engineering student specializing in Web and Mobile Development. Passionate about building high-impact, user-centric applications and optimizing development workflows through emerging technologies. A collaborative engineer committed to delivering clean code and seamless digital experiences in fast-paced team environments.

Experience

Robotair

Frontend Engineer Intern

July 2025 - August 2025

- Engineered modular, responsive UI components using **React** and **Tailwind CSS**, optimizing cross-device performance.
- Contributed to a comprehensive platform redesign, implementing modern **UI/UX architecture** and 2025 design standards to ensure high accessibility and aesthetic consistency.
- Collaborated within an **Agile** environment, contributing to sprint planning and cross-functional workflows.

NIAEFEUP

Co-head of Projects

May 2026 - Present

- Coordinating multiple projects within the student organization and communicating with the respective project managers for planning and support.

Project Manager

July 2025 - May 2026

- Leading the development of **uni**, a cross-platform Flutter application, by coordinating tasks and ensuring high-quality feature delivery for the student community. Successfully deployed the app to 5000+ students across the university. Architecting a robust NestJS backend to centralize and deliver critical faculty data, improving information accessibility for all **uni** users.

Member

October 2024 - Present

- Contributed to the UI/UX redesign of **uni** by implementing a modern and more intuitive user experience.
- Developing the official NIAEFEUP website using a full-stack approach with Kotlin, Spring Boot, and Svelte.

Semana de Informática

Co-Head of Informatics

June 2026 - Present

- Co-leading the development and maintenance of the event platform.

Co-Head of Image & Communication

June 2025 - October 2025

- Co-leading the visual identity for the event.

Education

Faculty of Engineering - University of Porto

Bachelor in Informatics and Computing Engineering

September 2023 – July 2026

- Web Development, Software Engineering, Algorithms and Data Structures, Databases

Volunteering

Mentoring - INFORMATICS.OnBoard

September 2025 - Present

- Mentoring first-year students, offering guidance on coursework, university resources, and adjustment to academic life.

Projects

In Porto

github.com/pedroafmonteiro/in-porto

- Architecting a Flutter application to streamline public transportation navigation in Porto. Focused on implementing intuitive UX/UI design and integrating real-time transit APIs to enhance urban mobility and local discovery.

Qnect

github.com/pedroafmonteiro/qnect

- Developed a community platform using Laravel, integrating robust CRUD functionality with a modern, user-centric interface. Prioritized system scalability and user retention by applying modern design patterns.

Skills

Languages: Portuguese (Native), English (B2)

Technical Stack: Dart, JavaScript, TypeScript, PHP, Java, Kotlin, C/C++

Frameworks & Tools: Flutter, Laravel, Git, Linux, Figma, DaVinci Resolve, Firebase, REST APIs

Software Engineering: Object-Oriented Programming (OOP), MVC Architecture, Unit Testing, Agile/Scrum