

Simão Rodrigues

Computer Engineering student focused on systems development and web applications

+351 935312358 ✉ simao.rodrigues.dev@gmail.com | [in](#) simao-rodrigues [G](#) SimaoFRodrigues | [📍](#) Setúbal

EDUCATION

ISEL Instituto Superior de Engenharia de Lisboa

Expected Graduation: June 2027

Bachelors Degree in Computer Engineering and Multimedia

Lisbon, Portugal

- **Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Databases, Web Development, Eletronics, Computer Systems
- **Academic Activities:** Institutional peer mentoring program "*Mentori@IPL*", supporting students academic and social integration at ISEL.

CERTIFICATIONS

- Microsoft Python Programming Fundamentals (Coursera, 2026)
- Code with GitHub Codespaces (GitHub Skills, 2025)
- Critical Thinking and Problem Solving (Santander Open Academy, 2025)

PARTICIPATION

- * International Masterclasses - Hands on Particle Physics, Instituto Superior Técnico (2023)
- * IFM Summit Lisbon (2025)

PROJECTS

Web-Based BIM Visualization Integration (Autodesk APS) – Glose

Oct. 2025 – Dec. 2025

- * Developed a web-based BIM visualization integration using JavaScript, HTML/CSS and Autodesk APS APIs, including model loading, with a simple .NET (C#) backend for secure token generation.

CondoFix – Condominium Incident Management API

April. 2026 – May. 2026

- * Developed a RESTful API to centralize condominium incident and maintenance management, implementing authentication, role-based access control and relational data persistence using Spring Boot, Spring Security and Spring Data JPA.
- * Designed entity relationships between buildings, apartments, users and incidents, enabling structured tracking of maintenance reports and operational status updates.

WaveCanvas

Oct. 2025 – Nov. 2025

- * Developed a real-time audio visualization web application using JavaScript, Web Audio API, and HTML Canvas, supporting 2 audio sources, 5 visualization modes, and image export in .png and .jpg formats.

SKILLS

Programming Languages : Java, JavaScript, Python, SQL

Frameworks and Technologies : Spring Boot, Spring Data JPA, REST APIs, HTML, CSS, GitHub, Bootstrap, Postman

Soft Skills : Critical thinking, organization, empathy, creativity, problem-solving, and continuous learning

Interests : Software development, applied technology, music, and exploring new cultural environments

Languages : Portuguese (Native) and English (Intermediate – Technical)