

Simão Rodrigues

Computer Engineering student focused on systems development and web applications

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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, Electronics, Computer Systems
- **Academic Activities:** Institutional peer mentoring program "*Mentori@IPL*", supporting students academic and social integration at ISEL.

CERTIFICATIONS

- Code with GitHub Codespaces (GitHub Skills, 2025)
- Critical Thinking and Problem Solving (Santander Open Academy, 2025)
- Data Immersion with Python II (Alura, 2026)

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

- * Implemented an additional web-based BIM visualization feature using JavaScript and Autodesk APS (Forge), loading models via URN configuration and a simple .NET (C#) backend for secure access token generation.

OSFR System

Jan. 2025 – Feb. 2025

- * Developed a desktop CRUD system for service order management using Java and MySQL, including user authentication and role-based access control.

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

Tools and Technologies : HTML, CSS, GitHub, VS Code, IntelliJ IDEA, Bootstrap, Postman, Adobe Photoshop, Blender

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)