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, Python Programming, 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)