

# Simão Rodrigues

Computer Engineering student focused on systems development and web applications

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## EDUCATION

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### 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

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

## PARTICIPATION

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

## PROJECTS

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### 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

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**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)