Simão Rodrigues

Computer Engineering student focused on systems and web application development

📞 +351 935312358 | ✉ simao.rodrigues.dev@gmail.com | 💼 simão-rodrigues 🐙 SimaoFRodrigues | 📍 Setúbal

EDUCATION

ISEL - Instituto Superior de Engenharia de Lisboa   Expected Graduation: June 2027
Bachelors Degree in Computer Engineering and Multimedia   Lisboa, Portugal

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

Certifications and Badges
Santander, Microsoft, Alura, NAU

- **Critical Thinking & Problem Solving – Santander Open Academy**: Online course focused on structured thinking, problem analysis, and decision making strategies.
- **Practical AI for Marketing – Santander Open Academy (certificate pending)**: Introductory course on practical applications of AI in marketing, including data-driven decision making and automation concepts.
- **Google Gemini Developer Immersion – Alura**: Short immersive program introducing generative AI concepts and hands on experimentation with Google Gemini tools and APIs.
- **Data Immersion with Python II – Alura**: Training focused on data analysis using Python, including data manipulation, visualization, and exploratory analysis.
- **Academy of Entrepreneurship – NOVA University Lisbon (NAU)**: Online course covering entrepreneurship fundamentals, innovation, and business development.
- **Code with GitHub Codespaces – GitHub**: Hands on module focused on cloud based development environments, repository workflows, and VS Code integration using GitHub Codespaces.

PROJECTS

Web based BIM Viewer Integration (Autodesk APS) – Glose   oct. 2025 – dec. 2025

- Added a web based BIM visualization feature using JavaScript and Autodesk APS (Forge), loading models via URN based configuration with a basic .NET (C#) backend to generate access tokens, enabling controlled in browser access to BIM models.

OSFR System   jan. 2025 – feb. 2025

- Built a full CRUD system for service order management using Java and Maven, implementing user authentication, role based access, and MySQL persistence, enabling structured creation, tracking, and management of work orders in a desktop environment.

WaveCanvas   oct. 2025 – nov. 2025

- Developed a modular real time audio visualization web app using JavaScript, Web Audio API, and HTML Canvas, supporting 2 audio sources and 5 visualization modes with image export to .png and .jpg.

Portugal Elections Dashboard   nov. 2025 – dec. 2025

- Developed an dashboard using Quarto to analyze official Portuguese government election data. Integrated results from 21 political parties using geospatial maps, hierarchical charts, and dynamic tables.

SKILLS

Programming Languages : Java, JavaScript, Python
Other tools and skills : HTML, CSS, GitHub, VS Code, IntelliJ IDEA, Bootstrap, Postman, Adobe Photoshop, Blender
Languages : Portuguese (Native), English (Intermediate - Technical)