

FRANCISCO FREITAS

Lisbon, Portugal

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EDUCATION

NOVA SCHOOL OF SCIENCE AND TECHNOLOGY

LISBON, PORTUGAL

• *Integrated Master of Engineering in Computer Science.*

SEPTEMBER 2020– JULY 2025

• *Semester abroad at **Wrocław University of Science and Technology**, as part of the ERASMUS+ program*

ESCOLA SECUNDÁRIA ARTUR GONÇALVES

TORRES NOVAS, PORTUGAL

• *High School Graduate, Science and Technology – GPA: 18/20*

SEPTEMBER 2017– JULY 2020

• *Erasmus+ Project in Sicily, Italy*

PROFESSIONAL EXPERIENCE

3CKET

LISBON, PORTUGAL

Full-stack Developer

OCTOBER 2023 – JUNE 2024

• Developed a cross-platform mobile app (Android/iOS) using Flutter and React.js for an administrative back-office system, enabling around 3,000 Lisbon School of Medicine students to explore resources, campus activities, and purchase event tickets.

OUTSYSTEMS

LINDA-A-VELHA, PORTUGAL

Software Developer Intern – Summer Internship

AUGUST 2023 – OCTOBER 2023

• Developed and implemented an internal project management tool, integrating Asana and Jira via REST APIs to optimize workflows and backlog visibility.

• Automated sprint planning and introduced an availability submission system, significantly improving resource allocation and efficiency.

• Collaborated closely with stakeholders to gather requirements, created user stories, and ensured accurate role-based system access.

• Achieved "Associate Reactive Web Developer" certification, demonstrating proficiency in OutSystems development.

BEST (BOARD OF EUROPEAN STUDENTS OF TECHNOLOGY)

ALMADA, PORTUGAL

IT Department Member

OCTOBER 2022 - PRESENT

• Organized technology workshops, facilitating the sharing of different technologies and computing concepts to more than 100 organization members.

RELEVANT PROJECTS

MASTER'S THESIS (ONGOING) - VERTICAL FEDERATED LEARNING IN SATELLITE CONSTELLATIONS FOR LOW EARTH ORBIT

• Developed a communication-efficient Vertical Federated Learning framework tailored for Low Earth Orbit satellite constellations, addressing the unique constraints of satellite-based networks in distributed machine learning applications.

WEB DEVELOPMENT

• Developed an interactive platform for a Cardano NFT project that involved leveraging Node.js for the frontend, Java for the backend, and Google Cloud Platform (GCP) for cloud services with integrated external APIs such as Discord and Opencnft.

UNIVERSITY APPLICATION DEVELOPMENT - BACHELOR'S FINAL PROJECT (5-MEMBER TEAM)

• Collaboratively engineered a comprehensive university application featuring user registration, login, Google Maps-guided orientation, real-time university news, a student schedule system, group chats, and role-specific features for professors, students, and directors.

• Integrated Google App Engine, Google APIs, Google Cloud Storage, Datastore, and Firebase, utilizing a Java backend and Flutter (Dart framework) on the frontend for seamless functionality and performance.

GRAPHICAL SIMULATION AND 3D INTERFACE DESIGN - COMPUTER GRAPHICS AND INTERFACES

• Utilized JavaScript and GLSL for creative graphic effects and user interface designs. (These projects can be viewed in my [Portfolio](#))

LANGUAGES SKILLS

Portuguese (Native); English (Advanced)

COMPUTER SKILLS & TECHNOLOGIES

Java (Advanced), JavaScript (Advanced), Git (Advanced), Flutter (Intermediate), C (Intermediate), Python (Intermediate), Google Cloud Platform (Intermediate), React.js (Intermediate), Blender (Beginner), SQL (Beginner), R (Beginner).

HOBBIES

Classical and Electric Guitar Player, Padel and Basketball Enthusiast, Travelling Enjoyer