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PROFILE

Master student in Aeronautical engineering aiming to gain work experience in the industry. Have obtained code development experience by mean of a bachelor internship and personal projects, with proven experience in Python development and machine learning. Interested in computer science applied to aerospace industry.

EDUCATION

Master of Aeronautical Engineering, Aircrafts <i>ETSIAE, Technical University of Madrid</i>	Sep. 2022 – <i>Madrid, Spain</i>
Bachelor of Aerospace Engineering, Aerospace Equipment and Materials <i>ETSIAE, Technical University of Madrid</i>	Sep. 2017 – Jul 2023 <i>Madrid, Spain</i>
Excellence Baccalaureate <i>IES EL Burgo-Ignacio Echeverría</i>	Sep. 2015 – May. 2017 <i>Las Rozas de Madrid, Spain</i>

EXPERIENCE

Undergraduate Internship <i>SRM Consulting</i>	Mar. 2021 – Aug. 2021 <i>Madrid, Spain</i>
<ul style="list-style-type: none">• Research on Machine Learning alternatives to conventional photogrammetry• Developed a desktop application with PySide for training and validation.• Explored development tools: Deployment with Docker and FastAPI for RESTful API	

TECHNICAL SKILLS

Languages: Spanish, English (C1)
Engineering Software: Arduino, Catia V5, NASTRAN
Programming Languages: Python, Matlab, Bash, HTML/CSS, SQL, C/C++, Docker

CERTIFICATIONS

English C1 <i>Reading and Listening</i>	2020 <i>Lisquaskill</i>
Harvard CS50 Introduction to Computer Science <i>Data structures, Memory, Algorithms, SQL, Static pages, Web applications</i>	2024 <i>edX</i>
IBM Data Scientist (5/12 courses) <i>Tools, Methodology, Python for Data Science</i>	2023 <i>Coursera</i>

PROJECTS

Ball Balancing Robot	2024
<ul style="list-style-type: none">• Designed 3d printed parts with CATIA V5.• Circuit design and assembly: Arduino UNO, IR sensor, servo motor, LCD display, etc.• Extract and write a script for curve-fitting of voltage-distance manufacturer data for the sensor.• Implemented PID control and user input capabilities from control panel such as modifiable trim distance and gain values.	

INTERESTS

Backend development
Control systems
Machine learning
Linux-based systems