

# Martín Sotelo Aguirre

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## EDUCATION

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### Politecnico di Torino (Erasmus+ Programme)

Turin, Italy

*M.Sc. in Computer Engineering*

*Feb 2026 – Jun 2026*

- **Relevant coursework:** Brain-inspired computing and devices, Technologies for Autonomous Vehicles, Image Processing and Computer vision

### Universidad Pública de Navarra

Pamplona, Spain

*B.Sc. in Computer Science*

*Sep 2022 – Jun 2026*

- **GPA: 7.62/10.0**, Honors in Mathematics II and Artificial Intelligence
- **Relevant coursework:** Computer Vision, Machine Learning, Data Mining, Artificial Intelligence, Theory to Algorithms
- **Thesis:** Development of a Reinforcement Learning Controller for an Automatic Balancing Platform (10.0/10.0)

### Colegio Santa María la Real Maristas

Sarriguren, Spain

*Baccalaureate – Science and Technology*

*Sep 2020 – May 2022*

- Top 3% of Navarre
- Grade: 13.098/14.000

## RESEARCH EXPERIENCE

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### UPNA Drone Team, Public University of Navarre

Pamplona, Spain

*Undergraduate Research Assistant*

*Oct 2024 – Dec 2025, Part-time*

- Prepared and maintained UAV hardware, spare parts, and tools for IMAV 2025 competition in Mexico.
- Detected and tracked landing-platform markers using Raspberry Pi-based vision system for autonomous drone landing.
- Implemented dual-camera acquisition and 3D tracking pipeline for wing-beat motion of an ornithopter, integrating high-fps capture and event-camera technologies.

## HONORS AND AWARDS

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### UPNA Grant for Participation in Academic Competitions

2025

Awarded ~\$2,000 to support participation in IMAV 2025. [\[Link\]](#)

### Grant for Erasmus - Beca Santander 2025

2025

Awarded ~\$1,000 to support my Erasmus+ mobility. [\[Link\]](#)

### Recognised among top performers in Navarra's 2022 Selectividad

2022

Awarded for ranking among the highest scores in the region's University Entrance examinations.

## SKILLS

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**Languages:** Python, C, Java, MATLAB,  $\LaTeX$

**Frameworks:** MuJoCo, Genesis

**Developer Tools:** Git, Docker, Linux/Unix

**Graphics Vision Tools:** Blender, Unity

**Libraries:** NumPy, PyTorch, pandas, Matplotlib, OpenCV

## LANGUAGES

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**Spanish:** C2 (Native)

**English** (CPE – Cambridge C2): C2 (Proficient)

**Italian:** A1 (Beginner)