Héctor Tablero Díaz

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Summary

Data Science & Engineering student with international experience and strong training. Background includes predictive modeling, work with AI-driven systems and AI research. Active student representative and engaged in multiple volunteering organizations contributing to event coordination, community outreach, and institutional relations. Experience in leadership through founding a Google Developer Group chapter. Competitive programming track record with ICPC participation and national/regional Olympiad awards. Proficient in Python, machine learning, and full-stack development.

Education

BSc in Data Science and Engineering   *Sept 2022 – Jun 2026 (Expected)*
Autonomous University of Madrid (UAM)

- Focused on machine learning, generative AI, and advanced statistical and mathematical modeling
- Degree Delegate (3 years); active in student representation events

SINO-EURO Spring School   *Apr 2025*
西北工业大学 (Xi'an Northwestern Polytechnical University)
- Studied advanced materials and manufacturing techniques for aerospace applications
- Collaborated with international teams on sustainable engineering solutions

"UAM Emprende" - Entrepreneurship Course   *2023*
Autonomous University of Madrid (UAM)
- MVP for AI learning platform at UAM Hackathon (2nd round)

Smart Manufacturing: Operations in the Fourth Industrial Revolution   *Jun - Sept 2023*
MIT Professional Education
- Use of sensor data and artificial intelligence to model, predict, and optimize physical systems

Experience

Data Science Intern   *Sep 2025 - Present*
MoMe
- Created custom SDKs and MCPs with Python to analyze and optimize data transfers for RTVE

Founder & Vice President   *Jul 2025 - Present*
Google Developer Group on Campus UAM
- Co-founded chapter, lead tech & AI events
- Coordinated 10 different teams to ensure quality

Directive Board & Web Team Lead   *Apr 2023 – Present*
QED – Mathematics Association, UAM
- Member of the board, supporting website redesign and activity organization
- Helped coordinate academic and outreach events for the UAM math community

Active Member & Webmaster   *Sept 2024 – Present*
ESN UAM Madrid (Erasmus Student Network)
- Supported social and cultural event organization for Erasmus students
- Managed university relations, social media, web updates and human resources

Honors & Awards

- **ICPC SWERC Participant** (2025)
- 2nd Place – **Informatics Olympiad of Madrid** (2021)
- 22nd Place – **National Informatics Olympiad** (2021)
- 4x Winner – **Spring Mathematics Contest** (2017, 2018, 2019, 2020)
- Winner – **Colegio Base Robotics Competition** (2016)

Technical Skills

Programming:	Python, R, Matlab, SQL, JS/TS, HTML/CSS
AI/Data:	Scikit-learn, TensorFlow, PyTorch, LangChain, ETL, Pandas/Polars
Systems/Web:	PostgreSQL, MongoDB, APIs, Flask, Streamlit, Next.js, React.js
Tools:	Git, Docker, Linux, Excel

Core Skills & Languages

Soft Skills:	Leadership, Creativity, Analysis, Teamwork, Adaptability
Languages:	Spanish (Native); English (C2)