

Hector Hornero

West Lafayette, IN

hornerohector@gmail.com | +34 685 086 040 | LinkedIn: (Hector Hornero)

EDUCATION

Purdue University – West Lafayette, IN

Bachelor of Science in Mechanical Engineering

Minors: English, Mathematics

GPA: 3.95/4.00 | Sophomore Fall GPA: 4.00/4.00

Universidad Autónoma de Madrid – Madrid, Spain First-Year Physics Coursework
(Gap Year), 2023–2024

EXPERIENCE

Supermarket Associate | Madrid, Spain

Summer 2022

- Managed inventory, restocking, and product organization
- Assisted customers and handled transactions in a fast-paced environment
- Maintained efficiency and accuracy during high-traffic hours

Private Tutor | Madrid, Spain

Winter 2023–2024 & Summer 2026

- Provided academic support to students in math and science subjects
- Developed personalized learning strategies to improve student performance

Bartender | Candeleda, Spain

Summer 2026

- Maintained high efficiency teamwork to tend to clients during peak hours
- Obtained high adaptability to variety of unexpected scenarios

PROJECTS & ENGINEERING EXPERIENCE

GoAero – Design Team Member (January 2025 – Present)

- Contribute to the design and development of aerospace components
- Use CAD tools (SolidWorks/NX) to model and refine mechanical systems
- Collaborate with multidisciplinary teams to improve performance and efficiency

PSP Liquids – Manufacturing Team Member (Fall 2024)

- Assisted in manufacturing processes and system assembly
- Supported production workflow and team coordination

- Gained hands-on experience in engineering design and fabrication

ME Woodshop lab assistant – TA for projects in wood workshop (Fall 2026)

- Learned to manipulate multiple types of wood with woodshop machines
- Guided students in learning new skills
- Special attention always paid to security measures

LEADERSHIP & ACTIVITIES

Leader – Table Tennis & Chess Club | Madrid, Spain (2022–2023)

- Organized tournaments, training sessions, and club events
- Led and coordinated activities for student members
- Promoted engagement and participation within the school community

TECHNICAL SKILLS

- Programming: MATLAB (Intermediate), Python (Beginner)
CAD & Design: NX (Intermediate), SolidWorks (Beginner), Fusion 360 (Beginner)

LANGUAGES

- Spanish (Native)
English (Fluent – C1)
German (Advanced – C1)
French (Basic)