ARTEMIS M. HERNANDEZ GUZMAN

contact@arty-in.space | +1 (470) 203-9266 | U.S. Citizen | linkedin.com/in/artemishg | portfolio.arty-in.space

OBJECTIVE

Seeking entry-level, full-time Mechanical Design Engineer position (in-person/hybrid) starting March 2025. If you need a compassionate, perseverant, and future-focused leader with a diverse technical background, you've found the right person.

EDUCATION

Bachelor of Science in Mechanical Engineering — August 2019 – December 2024
Georgia Institute of Technology | GPA 4.0 — *Atlanta, GA, USA*

WORK EXPERIENCE

Prototyping Intern | SeaSpark Energy™ (*prev. Laminar Scientific*) — October 2024 – Present

- Advanced R&D of patent-pending Wave Energy Converter (WEC) systems through prototyping and analytical models.

Mechanical Engineering Intern | NASA Jet Propulsion Laboratory (JPL)

352B – *Entry, Descent, & Landing and Formulation* — May 2024 – July 2024

- Developed models and contributed to data analysis for Mars Sample Return (MSR) parachute support system testing.

352M – *Mechanical Systems & Technology* — May 2023 – December 2023

- Designed two Mechanical Ground Support Equipment (MGSE) accessories for the MSR Sample Retrieval Lander (SRL).
- Collaborated with skilled engineers to establish requirements, develop prototypes, and document design decisions.
- Demonstrated technical proficiency, effective communication, and adaptability in design reviews with SMEs.

Customer Experience Sampling Intern | Lenovo — January 2022 – July 2022

- Completed 17 rigorous, 200+ mark product inspections at Lenovo's Product Quality Engineering (PQE) lab.
- Collaborated with international teams and adopted customer perspective to anticipate, analyze, and resolve defects.

ACADEMIC EXPERIENCE AND PROJECTS

Acoustic Characterization Research | Georgia Tech – Europe — August 2022 – December 2022

- Performed Scanning Acoustic Microscopy (SAM) experiments to characterize composite microstructures and coatings.
- Applied analytical models in MATLAB to obtain properties and communicated results with presentations and a report.

Robotics Competition Team Lead | Georgia Institute of Technology — August 2021 – December 2021

- Managed the team structure, project timeline, and report completion of a group of five for a robotics competition.
- Spearheaded the technical development of the competition robot by designing two mechatronic subsystems containing DC motors, pneumatics, and solenoids, and by programming the robot's control system (C++/Arduino).

Prototyping Instructor (Volunteer) | Flowers Invention Studio — December 2019 – December 2024

- Empowering community members of the largest student-run makerspace in the U.S. by leading comprehensive tool trainings, providing design guidance, maintaining equipment, and helping to bring projects to life.
- 3D Print Apprentice (January–December 2021) – specialized training with focus on advanced 3D printing techniques.

RELEVANT SKILLS

- **CAD/Design**: SOLIDWORKS, NX, Teamcenter, Fusion 360 (Beginner), AutoCAD (Beginner)
- **Programming**: MATLAB, Java 11 (Beginner), C++/Arduino (Beginner), Python (Beginner)
- **Software & Tools**: Microsoft Office Suite, Git, OOP principles, HTML 5, CSS 3
- **Hands-on**: 3D Printing, Laser Cutting/Engraving, Rapid Prototyping, Workshop Tools, Waterjet, Lathe, Manual Mill, MIG Welder, Oscilloscope, Scanning Acoustic Microscope, Soldering
- **Languages**: English (Fluent), Spanish (Fluent), French (Beginner)

AWARDS AND OTHER EXPERIENCES

AIAA Member | September 2022 – Present
MATLAB Teaching Assistant | August 2020 – December 2021
Hispanic Scholarship Fund Scholar | 2020-21, 2021-22
Highest Honors (BSME '24) | December 2024
Machine Design Grader | August 2024 – December 2024
Study Abroad (Metz, France) | Fall 2022