Valentina Herrera Molano

Product Engineer

Orlando, Florida | (689) 298-7888 | vhm110305@gmail.com
https://www.linkedin.com/in/valentinaherreramolano/?locale=en_US

SUMMARY

SolidWorks certified Simulation and Visualization engineer passionate about building user-focused products. Seeking a full-time position in the product development industry where I can lend my design and fabrication skills to turn concepts into functional prototypes that blend innovation, functionality, and quality.

SKILLS

- SolidWorks, Eagle, Soldering, 3D print, PCB print, Laser cut, C++, C#, Unity, Unreal, Trello, Github
- English (Proficient), Spanish (Native)

EXPERIENCE

Student Tour Guide   February 2025 - Present
Full Sail University, Orlando, FL
- Assisted to the success of the Behind the Scenes Tour.
- Sustained teamwork, communication and performed customer service as needed.
- Handled big crowds effectively through the tour.

PROJECT LIST

Smart Pill Dispenser   June 2025 - July 2025
- Manufactured a smart pill dispenser divided by day of week with clock and alarm functionality.
- Modeled product in SolidWorks and made assembly to execute motion study.
- Created and assembled PCB, soldering and connecting microcontroller to electronic components.
- 3D printed all components.
- Put every piece together and tested final product.

6 DOF Platform   December 2024 - February 2025
- Developed a six degrees of freedom platform simulation of the movement of a robot flying through opposite traffic controlled by touch sensors.
- Created the base parts of the platform in SolidWorks and made assembly to conduct motion study and get measurements.
- Designed and soldered PCB, connecting electronic components like servo motors to the microcontroller.
- 3D printed the SolidWorks designed parts.
- Built and tested the platform resulting in a fully functional prototype.

EDUCATION

Bachelor of Science in Simulation & Visualization (B.S.)   September 2025
Full Sail University, Winter Park FL
Simulation and Visualization.

CERTIFICATIONS

Certified SOLIDWORKS CAD Design Professional.