

Valentina Herrera Molano

Product Engineer

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OBJECTIVE

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

- Smart Pill Dispenser June 2025 - July 2025
- Fabricated 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 the 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.
- Geneva Drive Reverse Engineering November 2024 - December 2024
- Measured 3D printed version of the Geneva Drive mechanism.
 - Created model components in SolidWorks.
 - Assembled parts in SolidWorks.
 - Performed motion study animation.
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EDUCATION

- Bachelor of Science in Simulation & Visualization (B.S.)** September 2025
Full Sail University, Winter Park FL
Simulation Engineering.
GPA: 3.99
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CERTIFICATIONS

Certified SOLIDWORKS CAD Design Professional.