Giselle Alcantar

Stanford, CA
giselle0@stanford.edu | (559) 542-8182 | www.linkedin.com/in/giselle-alcantar-97a340245

Stanford Design major (Physical + Manufacturing track) specializing in mechanical design, CAD modeling, and rapid prototyping. Experienced in developing products from concept to production and skilled at iterating under tight timelines while integrating user-centered design engineering.

EXPERIENCE

Undergraduate Design Program, *Peer Advisor* Stanford, CA | Sept. 2025 – Present
- Guide Design undergraduates on program requirements and resources, providing weekly office hours and guidance on degree progress while collaborating on faculty projects to enhance the Stanford d.school experience.

Rhythm Technologies, *Mechanical Design Engineering Intern* San Francisco, CA | June – Sept. 2025
- Engineered and sourced a drop-tested packaging system (1m test height) for FedEx/UPS shipping, reducing delivery costs and enabling online sales distribution.
- Conducted a cost-reduction analysis of sheet metal assemblies, identifying scalable savings opportunities in V2.
- Produced 25+ CAD models and detailed drawings to support manufacturing and scale-up, resulting in 3 custom production parts for the Sunlight Generator deployed across 10+ customer units.
- Prototyped the V2 unit entirely out of PLA, validating manufacturability and assembly fit for scale-up from V1.
- Designed customer-facing assets (brochure, branded stickers, thank-you cards) to optimize unboxing experience and reinforce brand identity.

Graduate School of Education Makery Makerspace, *Makery Mentor* Stanford, CA | Jan. 2025 – Present
- Support students' creative projects across woodshop, 3D printing, soldering, vinyl cutting, basic electrical engineering, and design-thinking prototyping.
- Design and lead workshops to streamline hands-on learning and foster collaborative problem-solving.

Design Kids, *Designer* Stanford, CA | Jan. 2025 – Present
- Co-organized Stanford's 1st Design-a-Thon, coordinating logistics and resource planning to engage 100+ students in creative engineering challenges.

L'Oréal USA Fellowship, 2025 *Diverse Leaders Fellow* Remote | Dec. 2024 – Sept. 2025
- Selected as 1 of 50 nationwide fellows to engage in mentorship, case challenges, and professional development on innovation and leadership.

EDUCATION

Stanford University, *B.S. Design* Stanford, CA | **Class of 2027**
Relevant Coursework: ENGR 40M (Circuits & Hardware), Design 121 (Prototyping & Need-Finding), Programming Methodologies, Visual Thinking (UI/UX, Sketching), CME 100 (Vector Calculus & Linear Algebra)
Activities: Catholic Student Ministry, Counterpoint A Cappella, Baile Folklórico

Porterville High School, *Valedictorian* Porterville, CA | **Class of 2023**

PROJECTS

Sophomore College, *Selected Student for the "Design It! Build It!" Course* Stanford, CA | Sept. 2024
- Developed "Tiltris," a motion-controlled Tetris game using a glove with an accelerometer, PyPortal display, sensors, and LoRa radios: https://github.com/ayhung0/ee11sc-tetris.
- Collaborated in a 3-person team through rapid prototyping, hardware/software integration, and iterative testing.

Stanford Student Space Initiative, *Rocketry Member* Stanford, CA | Sept. 2024 - Present
- Achieved Level 1 High-Power Rocketry Certification (NAR) by designing, building, and successfully launching a high-power rocket; currently training to proceed to Level 2 & 3 certifications.

TECHNICAL SKILLS

- **Operation Processes:** Supply Chain, Cost Analysis, Project Management (Microsoft Office)
- **CAD & Fabrication:** Onshape, 3D Printing, Laser Cutting, Sheet Metal Design, Heat-Set Inserts
- **Coding & Electronics**: Python, R, Soldering
- **Design Tools:** Figma, Framer, Sketching