

SKILLS SUMMARY

Detail oriented Aerospace Engineering student capable of leading teams through technical problem solving, CAD modeling, and effective communication. Seeking an internship to apply and expand my engineering skills in a professional environment

EDUCATION

B.S. Aerospace Engineering | *California State University, Long Beach (CSULB)* | Fall 2023 – Present

Related Coursework: CATIA, MATLAB, Physics, Fluid Dynamics, Deformable Body Mechanics, Coding, Mathematics

SKILLS

Hard Skills: SOLIDWORKS, MATLAB, CATIA, ANSYS, Additive Manufacturing, Machining Experience, Cashier experience

Soft Skills: Leadership, Work Ethic, Communication, Team Collaboration

PROJECTS

Long Beach Lunabotics | Mechanical Lead | CSULB | Fall 2024 – Present

- Lead the mechanical design and testing of a rover competing in NASA's *Lunabotics Competition*.
- Utilize SOLIDWORKS to design, simulate, and validate rover components for manufacturability and performance.
- Coordinate with cross-functional teams to ensure mechanical systems integrate seamlessly with electrical and control subsystems.
- Oversee prototype fabrication and testing to verify structural integrity and reliability.
- Collaborate with manufacturing leads and operate machine shop tools to build and assemble the rover.

Beach Launch Team | General Member (Aero Structures Subsystem) | CSULB | Fall 2023 – Spring 2024

- Contributed to the Aero Structure Subsystem for Beach Launch Team's rocket program.
- Performed Computational Fluid Dynamics (CFD) analyses to evaluate fin performance and aerodynamic stability.
- Utilized CFD data to optimize fin geometry, reducing drag and improving flight efficiency.

Personal Project | 3D-Printed Flying Wing | Summer 2025 – Present

- Designed a remote controlled flying wing using SOLIDWORKS to explore manufacturing and structural principles.
- Utilized additive manufacturing to produce a fully functional aerial vehicle.
- Investigated design, balance, and material challenges in creating flight-worthy components through 3D printing.
- Developed hands-on understanding of fabrication limits, and lightweight structural design

Personal Project | 3D Printing & Additive Design Hobbies | Summer 2024 – Present

- Designed and 3D printed functional and decorative items using SOLIDWORKS to expand understanding of additive manufacturing.
 - Created custom costumes, ant nests, decorative sets, and 3D letter models
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WORK EXPERIENCE

Ace Parking | Cashier | Summer 2025 and Summer 2024

- **Customer Service:** Delivered excellent customer service by efficiently handling transactions and resolving issues such as lost tickets and payment discrepancies in a professional and composed manner.
- **Transaction Efficiency:** Maintained accuracy and speed in payment processing, even during peak hours with high transaction volumes.
- **Multitasking:** Managed multiple responsibilities simultaneously, including customer assistance, workspace organization, and cash handling, while maintaining a consistent level of performance.
- **Independent Work:** Demonstrated strong self management skills by working independently and ensuring all tasks were completed accurately and on schedule.

Valley Fitness Nutrition | Cashier | Fall 2020 - Summer 2023

- Maintained nutrition service facilities and equipment in compliance with company, state, and federal food safety standards.
- Monitored and verified merchandise presentations, stock levels, and product labeling to ensure accuracy in pricing, shelf tags, and expiration dates, promptly correcting any discrepancies.
- Delivered strong customer service by engaging with customers, building relationships, and providing consistent support to ensure satisfaction.
- Collaborated with staff and management to coordinate daily store operations, achieve sales goals, resolve customer and vendor issues, and maintain accurate inventory and recordkeeping.