

Vincent Stevens

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EDUCATION

California Polytechnic State University

Bachelor of Science: Mechanical Engineering (3.3 GPA)

Graduated June 2025

San Luis Obispo, California

Relevant Completed Coursework:

- Mechanical Design, Fluid Mechanics, Thermodynamics, Heat Transfer, Engine Design, Control Systems

RELEVANT EXPERIENCE

Lawrence Livermore National Laboratory

Mechanical Designer/Fabricator (Senior Project)

Fall 2024 - Summer 2025

San Luis Obispo, California

- Redesigned and built a new battery housing enclosure for LLNL's ocean-going autonomous rafts using DFM principles in a highly constrained application as a senior project at Cal Poly
- Acted as the main point of contact between our design team and our sponsor at LLNL
- Modeled parts and assemblies and created standard engineering drawings in SOLIDWORKS
- Performed calculations and FMEA to justify design choices throughout the iterative development process
- Ran simulations on modeled parts using finite element analysis (FEA)
- Performed aluminum TIG welding, CNC waterjet cutting, and bending to create a full-scale prototype

Interface Engineering, Inc.

Mechanical Engineering Intern

Summer 2024

San Francisco, California

- Employed principles of thermodynamics, fluid mechanics, and heat transfer to design HVAC systems on several large-scale projects in the SF bay area
- Performed heating/cooling load calculations for buildings and spaces using industry standard software
- Communicated in a professional manner to project management, equipment vendors, and clients

Cal Poly PACED Club

Member - Aero Subsystem

Fall 2023 - Summer 2025

San Luis Obispo, California

- Worked alongside a small group of other members to modify a C4 Corvette to become a track car
- Prototyped aerodynamic components in CAD and tested using CFD software

SKILLS & INTERESTS

HARDWARE/LABORATORY

- Extensive (3+ years) experience in the lab environment through Cal Poly labs, clubs, and work experience
- GD&T, CNC mills, welding, lathes, waterjet/laser cutting, 3D printing, mechanical properties testing, wind tunnel testing, precision measurement equipment, automotive systems and engine dynamometers

SOFTWARE

- Microsoft Excel/Word/PowerPoint, SOLIDWORKS, CES Materials Selection, Python, Blender, Adobe Photoshop/Premiere Pro, MATLAB, Simulink, CFD, FEA, AutoCAD, Revit, Trace 700, EES

CERTIFICATION

- Engineer-in-training (EIT) certified by the California Board for Professional Engineers

INTERESTS

- Snowboarding, surfing, cars, baseball, cooking, personal project fabrication

LEADERSHIP

- Varsity Baseball Captain (Mission High School, 2019-2021)