

Vincent Stevens

vincentstevens@outlook.com ❖ (415) 910-0555 ❖ San Francisco, CA

EDUCATION

California Polytechnic State University

Bachelor of Science: Mechanical Engineering

3.3 GPA

Graduating June 2025

San Luis Obispo, California

Relevant Completed Coursework:

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

RELEVANT EXPERIENCE

Raft Battery Pack Integration (Engineering Senior Project)

Fall 2024 - Present

Designer/Communication Manager

San Luis Obispo, California

- Redesigned and built a new battery housing enclosure for Lawrence Livermore National Laboratory's ocean-going autonomous rafts using DFM principles in a highly constrained application.
- 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
- Ran simulations on modeled parts using finite element analysis (FEA)
- Performed calculations and FMEA to justify design choices throughout the iterative development process
- Performed aluminum TIG welding, CNC waterjet cutting, and sheet metal forming techniques to create a full-scale prototype

Interface Engineering, Inc.

Summer 2024

Mechanical Engineering Intern

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

Fall 2023 - Present

Member - Aero Subsystem

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, 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, 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)