

Vincent Stevens

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EDUCATION

California Polytechnic State University

Bachelor of Science: Mechanical Engineering

3.25 GPA as of June 2024

Graduating June 2025

San Luis Obispo, California

Relevant Completed Coursework:

- Fluid Mechanics, Thermodynamics, Heat Transfer, Mechanical Design, 3D Dynamics, Vibrations, Controls

RELEVANT EXPERIENCE

Interface Engineering, Inc.

Mechanical Engineering Intern

Summer 2024

San Francisco, California

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

Engineering/Manufacturing Labs

Student

Fall 2021 - Present

San Luis Obispo, California

- Modeled parts and assemblies and created standard engineering drawings in SOLIDWORKS
- Ran Simulations on modeled parts using finite element analysis and computational fluid dynamics programs
- Used MATLAB code to model vibratory systems and planar linkages
- Coded and tuned PID controllers using MATLAB and MicroPython
- Gained experience welding with MIG, TIG, and Stick processes, as well as oxy-acetylene cutting
- Completed many projects including a CNC manufactured Air Motor that reached 2000rpm

Cal Poly PACED Club

Member - Aero Subsystem

Fall 2023 - Present

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

- CNC mills (Haas Mini mill, 4-axis mill, VF-2), MIG, TIG, and stick welders, LeBlond Engine lathe, Oxy-Acetylene torch, Instron mechanical tester, Optical Comparator, general lab skills and safety.
- Familiarity with most hand tools including power tools and impact tools

SOFTWARE

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

CERTIFICATION

- Officially licensed by Haas Automation, Inc. as a certified CNC mill operator.

INTERESTS

- Snowboarding, surfing, cars & automotive modification, baseball, cooking

LEADERSHIP

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