Connor Faust

Lafayette, CA | connorffaust@gmail.com | www.linkedin.com/in/connorffaust | 925-266-0225

Objective Statement

Exploring engineering-based opportunities, specifically in designing mechanical systems and structures. Dedicated team player seeking to develop a skill set in design and manufacturing processes through industry, classwork, and on campus opportunities. Focused on documentation and developing simple solutions to complex problems.

Education

Purdue University, West Lafayette, IN - *Expected Graduation May 2027* | B.S Mechanical Engineering

GPA: 3.62 | Dean's list, Semester Honors

Relevant Course Work

- *ME 263* - Mechanical engineering class focused on the design cycle: market and consumer research, market benchmarking and patent review, manufacturing, and critical review
- *MFET 163* - Use of Siemens NX CAD software using expressions, parameters, and design tables in coordination with PDM software and ECO processes
- *CS 159* - Computer science course using C language, focused on program structure and data processing
- *Vertically Integrated Projects* - Team-based project involving design, critical design reviews, and manufacturing processes and communicated through course and club documentation

Acalanes High School, Lafayette, CA - *May 2023* || **GPA: 4.35**

Experience

Purdue Aerial Robotics Team **West Lafayette, IN**

Mechanical Team Lead, Airframe Subteam, Videographer August 2023 - Present

- Developed engineering design specifications via Student Unmanned Aerial System (SAUS) competition rules and set internal engineering specifications for the project, including margins of safety
- Facilitated conversion from monocoque to semi-monocoque internal structure by implementing longerons and stringers creating a standalone internal structure including estimation of forces to design a light airworthy structure
- Implemented a damping system for landing gear, a multi-payload drop mechanism, and a dynamic payload parachute release mechanism
- Created CAD models for presentation and manufacturing purposes including laser cutting and CNC machining
- Prepared and presented critical design review internally and with industry partners
- Communicated the systems present on the aircraft and the process for design, manufacturing, and testing of aircraft through a technical video, including definition of testing standards
- Recorded documentation of design concepts and manufacturing in an organized Project Data Management methodology

Work/Activities

Model United Nations 2019 - 2023 | *President, Treasurer*

- Taught research, writing, and conference procedure to 30 members
- Coordinated teams of students participating in debate conferences and managed logistics and finances
- Best Delegate Award-Stanford 2021 Conference

Acalanes Blueprint Newspaper 2021 - 2023 | *Feature Section Editor*

- Accountable for writing, editing, and creating a section with 8-12 writers and 4-6 stories monthly; supervised the writing of over 40 stories
- Trained staff on upholding journalistic ethical standards

Varsity and Travel Lacrosse 2020 - 2023 | *Team Captain*

Lazy Dog 2024 Summer | *Order management/Food distribution*

The Cooperage American Grille 2021 - 2023 | *Customer service and food serving*

Skills

CAD Experience: Fusion360, Siemens NX

Machine: Mill | Lathe | Soldering | CNC

Coding Languages: Java, Python, Matlab, C

PDM Experience: Teamcenter, Aras Innovator