Chris McCormick

(949) 444-9470
chrismccormick@g.ucla.edu

Los Angeles, CA

LinkedIn
chrismccormick45.github.io

UCLA Senior B.S. Aerospace Engineering student with experience in working on engineering projects. Currently seeking opportunities to apply skills in engineering for the Summer of 2024.

EXPERIENCE

UCLA Taira Lab Undergraduate Research Assistant **June 2023 — Current**

- Visualizing CFD simulation data over varying wings using ParaView.
- Using MATLAB and Blender to interpret and manipulate the CFD data, and export as 3D printable .obj, .stl, and .fbx files.
- 3D printing prototypes of the visualized flow and outsourcing to companies to 3D print the colored visualized flows.

Design/Build/Fly at UCLA (DBF) **Sept. 2022 — Current**

- Member of a team that designed and assembled a remote-controlled airplane, placed in the annual AIAA Design/Build/Fly Competition to complete a series of missions.
- Helped manufacture and assemble different components of the airplane.
- Placed 15th against 81 competing universities in the most recent competition.

UCLA Engineering Courses: E96R Rocket Design & E96A Plane Design **Sept. 2022 — Mar. 2023**

- Enrolled in voluntary, hands-on engineering courses to further my understanding of engineering principles.
- Assumed lead roles in designing, testing, and assembling model rockets and a remote-controlled plane.
- Ran COMSOL CFD simulations to analyze lift and drag over different airfoils.
- Placed in class competitions and won highest apogee award and fastest & most maneuverable plane awards.

UCLA Transfer Programs: Basic Training **June 2022 — July 2022**

- Enrolled in a series of courses to learn how to create a personal website and utilize engineering tools such as Arduinos, SolidWorks, GrabCAD, 3D printers, and much more.
- Implemented these tools to design, test, and assemble personal projects. Currently using these skills to design, 3D print, and test components for a drone I hope to finish building by the fall.

Saddleback College Mars Rover Team **Jan. 2022 — June 2022**

- Member of team that created a rover from the ground up that was capable of driving autonomously, navigating a maze, picking objects up, and analyzing dirt samples for evidence of life.
- Helped design and 3D model inner components of the rover's chassis and helped assemble the rover.
- Contributed to the repeated testing of the rover prior to it being placed an international, intercollegiate competition (University Rover Challenge).

Personal Website, Computer Programs, and SolidWorks Projects **Oct. 2020 — Current**

- Ground up development of personal website using HTML and CSS
- Developed multiple programs in C++ such as simple games, documentation and sorting programs to log users and participants, and money management programs that consider a user's tax bracket to help calculate their expected income and expenses.
- Regularly use SolidWorks to 3D model fun projects to later 3D print or laser cut.

EDUCATION

University of California, Los Angeles

Bachelor of Science – Aerospace Engineering *GPA: 4.00/4.00* *Expected Graduation:* **Fall 2024**

Relevant Coursework: Rocket Propulsion Systems, Astronautics (Currently Enrolled), Aircraft Propulsion Systems (Currently Enrolled), Aerodynamics, Fluid Mechanics, Modeling and Analysis of Dynamic Systems (Currently Enrolled), Thermodynamics, Transfer Phenomena (Currently Enrolled), Statics & Strengths of Material, Dynamics of Rigid Bodies, Rocket Design, Plane Design MATLAB, C++

EXTRACURRICULARS AND AWARDS

Tau Sigma Academic Honor Society – *Member of UCLA transfer student honor society* **May 2023 — Current**

Phi Theta Kappa Academic Honor Society – *Graduated Magna Cum Laude* **April. 2020 — Current**

Saddleback College Tutor – *Computer Science Class Tutor (C++), Physics, Chemistry, and Mathematics Tutor* **Aug. 2019 — May 2022**