Chris McCormick

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Los Angeles, CA

LinkedIn
chrismccormick45.github.io

UCLA Junior B.S. Aerospace Engineering student with experience in working on engineering projects. Currently seeking opportunities to apply skills in engineering for the Summer of 2023.

SKILLS

Tools and Understanding **Advanced:** SolidWorks/AutoCAD, C++, MS Excel, Onshape, GrabCAD, OpenRocket
Proficient: MATLAB, Python, C, HTML/CSS, Github

EXPERIENCE

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

- Member of a team that is designing and assembling a RC airplane, that will be placed in an annual intercollegiate competition to complete a series of missions (AIAA Design/Build/Fly Competition)
- Learning and using MATLAB, XFOIL, and SimScale for CFD to design and analyze different aerodynamic surfaces to be used on the plane. Using SolidWorks to 3D model surfaces and components

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

- Voluntarily took non-required, hands-on engineering courses to further my understanding of engineering principles
- Took lead roles in designing, testing, and assembling rockets and a RC plane
- Placed in class competitions and won highest apogee award and fastest & most maneuverable plane awards

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

- Took multiple courses on creating a personal website and utilizing engineering tools such as Arduinos, SolidWorks, GrabCAD, 3D printers, and much more
- Implemented these tools to design, test, and assemble personal projects meant to simplify certain tasks (like setting up Christmas lights)

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 (chrismccormick.github.io)
- 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
- Have 3D modeled a multitude of contraptions to later be 3D printed or laser cut

EDUCATION

University of California, Los Angeles
Bachelor of Science – Aerospace Engineering *GPA: 4.00/4.00* *Expected Graduation:* **Spring 2024**

Relevant Courses: Aerodynamics (currently enrolled), Rocket Propulsion (currently enrolled), Fluid Mechanics, Thermodynamics, Statics & Strengths of Material, MATLAB (currently enrolled), Dynamics (currently enrolled), Rocket Design, Plane Design

Saddleback College, Mission Viejo
A.S. and A.S.-T – Physics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
A.A. and A.S.-T – Mathematics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
A.A. – General Studies: Natural Sciences *GPA: 3.92/4.00* **Aug. 2019 — May 2022**

EXTRACURRICULARS AND AWARDS

Saddleback College – *Computer Science Class Tutor (C++), Physics, Chemistry, and Mathematics Tutor* **Aug. 2019 — May 2022**
Saddleback College Honors Program – *Graduated Magna Cum Laude* **Aug. 2019 — May 2022**