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Chris McCormick

Los Angeles, CA

LinkedIn
chrismccormick45.github.io

Incoming UCLA 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++, OpenRocket, GrabCAD, MS Excel
Proficient: MATLAB, CFD, Python, C, HTML/CSS, Github

PROJECTS

Saddleback College Mars Rover Team
- 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 signs of life
- Helped design parts of the rover's chassis and helped assemble parts for the rover's chassis, drivetrain, and arm
- Contributed to the repeated testing of the rover prior to it being placed in competition with rovers designed by students from some of the most prestigious universities in the world

Personal Website and Computer Programs
- Ground up development of personal website using HTML and CSS (chrismccormick.github.io)
- Developed multiple programs in C++ such as 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

Design/Build/Fly at UCLA
- Member of a team that is designing and assembling a radio-controlled airplane, from the ground up, that will be placed in an intercollegiate competition to complete a series of tasks
- Currently using MATLAB, CFD, and XFOIL to design and analyze different aerodynamic surfaces to be used on the plane (wings and nose), using SolidWorks to create these components and see how they work together

UCLA Engineering Course: E96R Rocket Design
- Designed, 3D printed, and launched a model rocket after conducting much research and through using the applications OpenRocket and SolidWorks
- Currently in the process of designing and assembling another, larger, rocket with a team of 4 other students using the same applications and with more research
- Experimenting with different assembly methods, different construction materials, and different component designs and sizes to achieve maximum speed and apogee, and a good stability
- Coding and wiring an altimeter and a launch switch with an Arduino microcontroller, to be used during launch

EXPERIENCE

Basic Training **June 2022 — July 2022**
UCLA Transfer Programs *Los Angeles, CA*
- 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 contraptions, structures, and to make performing certain tasks easier (like setting up Christmas lights)

EDUCATION

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

Saddleback College, Mission Viejo
Associate of Science – Physics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
Associate of Science for Transfer – Physics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
Associate of Arts – Mathematics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
Associate of Science for Transfer – Mathematics *GPA: 3.92/4.00* **Aug. 2019 — May 2022**
Associate of Arts – 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**