Carson Sawchuk

(925) 951-3320 * carsonsawchuk@gmail.com

I am currently a third-year student at UNR, studying Mechanical Engineering. I'm also taking prerequisite courses so I can apply for UNR's five-year BS/MBA program.

EXPERIENCE

TRIBOLOGY LAB Research Assistant   February 2020 – Present
- Utilized CAD to model and run analysis on parts requiring high precision and strength
- Designed and manufactured adjustable testing apparatus for various samples using additive manufacturing
- Performed data acquisition using a goniometer

TIMETOREPLY Cape Town, South Africa   July 2020 – August 2020
- Co-led a team across different time zones where communication was vital
- Advised business decisions on creating a new analytic tool for internal communication software
- Directly supported company in operations planning to align budget and resources to become profitable

EDUCATION

UNIVERSITY OF NEVADA, RENO
Pursuing a degree in Mechanical Engineering. Taking prerequisites for UNR's five-year BS/MBA program.
- GPA: 3.92/4.00 | Notable coursework: Statics, Dynamics, Marketing, Management Consulting, Solids, Circuits, Computing Methods, Differential Equations

MONTE VISTA HIGH SCHOOL   August 2014 – May 2018
- Graduated Monte Vista High School with highest honors

IXPERIENCE Cape Town, South Africa   July 2020 – August 2020
- Online management consulting class

ADDITIONAL ACTIVITES

3D PRINTING CLUB Treasurer (Founding Member)   March 2019 – Present
- In charge of the club's money and funding while also participating in activities, and leading meetings
- Building 3D printers, teaching students how to use 3D printers, their applications, and how to use SOLIDWORKS
- Competing in UTA's 3D printed aircraft competition which is held at Arlington, Texas

NEVADA ELCTRIC RACING Treasurer (Founding Member)   March 2020 – Present
- Build an electric race car from the ground up to participate in the Formula SAE electric competition
- Design frame and aerodynamics to perform stress analysis, and drag and downforce simulations using ANSYS
- In charge of the club's money and sponsors while actively building the car, and leading meetings

ROCKET CLUB Member   Sep 2018 – March 2020
- Worked closely with different sub-groups to build a rocket to take part in Spaceport America's Cup
- Designed parts such as the nose cone and parachute deployment system and ran stress analysis using ANSYS
- 3D printed parts for the rocket to perform tests and speed up the design process

HOVERCRAFT PROJECT Student   Sep 2018 – Dec 2018
- Built an autonomous hovercraft with a team used to compete against other teams

SUMMER GO-KART   June 2018 – Present
- Building an electric go-kart using SolidWorks to design and perform stress analysis on the car
- Learned skills such as welding, creating a battery pack with a BMS and design intent

ADDITIONAL

- Experienced with Microsoft Office, SolidWorks, 3D printers, and related software
- Knowledgeable in PTC Creo, AutoCAD, MATLAB, and C++
- I like to backpack, read, and run