

Freddie First-Year

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OBJECTIVE (optional)

To obtain a Summer 2023 internship in order to demonstrate my strong technical and collaboration skills in the automotive industry.

EDUCATION

University of Colorado Boulder

Boulder, CO

Bachelor of Science in Mechanical Engineering

Expected Graduation: May 2025

Rocky Canyon High School

Castle Pines, CO

Honors High School Diploma, GPA: 4.57/5.00

May 2021

TECHNICAL SKILLS

- Microsoft Excel, Word, PowerPoint, SolidWorks

ENGINEERING EXPERIENCE

Design I Course: Oil Distillation Unity for Kenyan Micro-Economy

Spring 2022

- Researched best use of materials available, for limitation of low cost and portability of unit
- Designed model using SolidWorks, constructing prototype to 1:2 scale for demonstration
- Presented proposal in technical paper and public presentation

Robotics Competition: Battlebots

September 2020 – May 2021

- Collaborated with team of high schools students and professional engineer advisors to design a battlebot
- Designed, prepared blueprints, and constructed functional unit for specific tasks
- Successfully competed in regional competition and awarded First Place
- Presented project to local middle schools to promote interest in STEM education

LEADERSHIP EXPERIENCE

Rocky Canyon High School Sport Management Castle Pines, CO

President Fall 2019 – Spring 2021

- Attended and professionally led all bi-weekly meetings
- Actively recruited club members and appointed all 5 officer positions
- Oversaw fundraising efforts, with a team of four raising \$1200 in one semester
- Created and sent weekly emails to Correspondence Officer for distribution to club members

COMMUNITY SERVICE

Volunteer, Habitat for Humanity, Quito, Ecuador

Summer 2020

- Participated in a 6-week service project working with underprivileged children in the Quito community
- Assisted with the planning and construction of 9 homes for young families
- Transitioned into the local culture and developed strong Spanish language skills

WORK EXPERIENCE

Rocky Canyon High School Castle Pines, CO

Math Tutor September 2020 – April 2021

- Tutored 20 students enrolled in remedial mathematics courses on a bi-weekly basis
- Facilitated small group discussions regarding applications of mathematics to motivate underachievers
- Tailored instruction to match students learning styles, aptitudes, and motivation level

PROFESSIONAL MEMBERSHIPS

Member, American Society of Mechanical Engineers

August 2021 – Present