

Education

University of Colorado - Boulder

MS Aerospace Engineering

2022 – 2023

Boulder, CO

University of Colorado - Boulder

BS Aerospace Engineering

2018 – 2022

Boulder, CO

Experience

University of Colorado - Boulder

Systems Engineer

Aug. 2021 – May. 2022

Boulder, CO

- > Maintain technical oversight of the entire project and chiefly responsible for meeting the functional requirements
- > Work with team leads to ensure design decisions were feasible and meet high level functional requirements
- > Aid in the design and fabrication processes of the product throughout the project
- > Primarily responsible for presenting during design reviews to customers as well as a panel advisory board

Costco

Stocker - Morning Merchandising

June. 2021 – Dec. 2021

Parker, CO

- > Ensured the store was in a presentable shape
- > Stocked and straightened merchandise for sale in the warehouse
- > Constructed and assembled display models
- > Occasionally assisted members with typical customer service duties

State Farm

Data Entry and Receptionist

June 2019 – Aug. 2019

Greenwood Village, CO

- > Managed the front desk and ensured client's satisfaction while monitoring client's insurance claims
- > Emailed important updates and information regarding client's insurance claims
- > Kept track of agents sale data in Excel spreadsheet

Projects

SPACEMOD - ULA Senior Project

Aug. 2021 - May 2022

- > A United Launch Alliance (ULA) sponsored project concerned with the redesign of the current ESPA ring if a major design requirement was removed

Wildfire Prediction

Aug. 2021 - Dec. 2022

- > A data mining project in which an algorithm is created to predict wildfires in a certain region

Modeling Flow over an Airfoil

Jan. 2021 - May 2021

- > Multiple MATLAB models were created to model flow over airfoils using Thin Airfoil Theory, Vortex Panel Method, and Prandtl Lifting Line Theory

Spacecraft Instrument Radiator Design

Aug. 2020 - Dec 2020

- > A thermodynamics project in which a radiator was designed to keep an instrument on the GOES-16 satellite within a certain operating temperature

Skills

Traits Accountable, Hardworking, Honest, Listener, Loyal, Organized, Team Work

Software CAD, CRM, Microsoft Office, Photoshop, Premiere Pro, STK

Programming C/C++, Git, Jupyter, MATLAB, Python