

Robert Rush

Boulder, CO 80302
rgrush2025@gmail.com
626-808-5954

- Hard drive experience with Seagate helium hard drives
- CU Boulder graduate with BS in Mechanical Engineering

Seeking an entry level job related to engineering or drafting

Willing to relocate: Anywhere
Authorized to work in the US for any employer

Work Experience

Senior Design Project - University of Colorado, Boulder

CU Boulder; Seagate - Boulder, CO
August 2017 to May 2018

ME Senior Design Project

Collaboratively designed and constructed a prototype device measuring internal pressures of helium hard drives, as an alternative to internal pressure sensors. Utilized six sigma concepts to test the prototype. Organized and produced data for proof of concepts of final prototype.

Key Accomplishments:

- Integral in Seagate's acceptance of prototype for future projects involving quality-controlled automation.
- Discovered solutions to significantly reduce manufacturing hours and costs on testing procedures.

Crew Member

Octopus Car Wash - Lakewood, CO
June 2015 to July 2015

Vacuumed and washed cars for a summer

Education

Bachelor of Science in Mechanical Engineering

University of Colorado - Boulder, CO
August 2014 to May 2018

Skills

Microsoft Office (5 years), Solidworks (3 years), Matlab (4 years), Mathematica (Less than 1 year), Python (Less than 1 year), Engineering (2 years), Labview (Less than 1 year)

Links

<http://www.linkedin.com/in/robert-rush-b3ab48132>

Awards

Eagle Scout Rank

September 2013

Certifications/Licenses

Engineer In Training (EIT)

July 2018 to July 2028

EIT Colorado

Certified SolidWorks Associate

July 2018 to Present

Entry Level SolidWorks Certification

Additional Information

Component Design Engineering Project, Spring 2017

CU Boulder, Boulder, Colorado

- Built with a team of six from scratch, a drill-based motor scooter for class project
- Designed and manufactured original parts to implement into the prototype

Thermodynamics Engineering Project, Fall 2018

CU Boulder, Boulder, Colorado

- Designed with a team of four with the help of EES, a thermodynamic system for a thermodynamic project.
- Collaborated team's thermodynamic design in terms of keeping the laws of thermodynamics along with the team's code, saving hours of classwork for the team

Junior Mechanical Engineer for Ground Station Team, Colorado Space Grant, 2017-2018

College Ministry Leader, Christian Challenge, 2015-2018

Amateur Car Mechanic, 2014-2018