

Slator Aplin

Mechanical Engineer

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Education

University of Colorado: Boulder / GRADUATED: MAY 2017

Bachelor of Science: Mechanical Engineering

Focus: Manufacturing & Design

Leeds School of Business Certificate: Engineering Management

Technical Projects

Automotive Product Redesign/ Manufacturing & CAD Engineer

Sponsor: Bestop Inc. & Design Center Colorado (DC)

- Designed and manufactured truck bed fabric top for industry client Bestop Inc.
- Managed documentation and workflow of over 100 separate machined parts
- Carried out the full product development process: product ideation, design, manufacturing, testing, and documentation
- Result: a functional prototype with comprehensive project documentation delivered to the client

Modular Alpine Packs / Project Manager

Sponsor: Integrated Teaching & Learning Laboratory (ITLL)

- Fabricated modular functionality backpack for mountain sports
- Gained leadership experience through managing an interdisciplinary team of designers, entrepreneurs, and engineers
- Result: a functional prototype with a provisional patent and business model documentation

Awards & Skills

Academic Awards

- Engineering Honors Award (2014, 2015, 2016), MicroMotion Scholarship Recipient (2014), Neil Armstrong STEM Scholar (2013)

University of Colorado Certified Trainings

- CSWA Solidworks Accredited, AUTOCAD, CNC Machining, Instron Materials Testing, Mill & Lathe Machining, 3D Printing, Welding, Soldering & Circuit Design

Relevant Academic Courses

- Computer Aided Design & Fabrication, Component Design, Project Management Systems, System Dynamics, Data Analysis & Experimental Methods, Circuits & Electronics, Heat Transfer, Materials Science & Applications

Other Areas of Expertise

- Fluent in Spanish, Apprentice Electrician, Apprentice Mason, Advanced in Microsoft Office Suites, Literate in MATLAB / LABVIEW

Work Experience

Mountain Trip / Mountain Guide / JAN 2018 - NOV 2018, Telluride CO

- Practiced exceptional communication in a dynamic work environment
- Assumed a leadership role in a mountain setting

San Juan Mountain Guides / Mountain Guide / NOV 2017 - NOV 2018, Ouray CO

- Demonstrated ability to learn fast and produce quality results in a technical role
- Excelled in a team environment with an emphasis toward achieving shared goals

Icicle Brewing Company / Brewery Staff / JUNE 2017 - SEPT 2017, Leavenworth WA

- Built strong communication skills by connecting subteams of brewery staff
- Strengthened ability to multitask in a fast-paced work environment