

Cole Ashton

(775)-230-6982

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EDUCATION

B.S. Mechanical Engineering - May 2026

Utah State University, Logan, UT

- Minor in Mathematics
- Pertinent classes taken: Solidworks, Intro to Python, Numerical Methods, ThermoDynamics, Material Science, Mechanics of Solids, Fluid Mechanics, Technical Writing, Engineering Ethics, Machine Design, Heat Transfer, Energy and the Built Environment
- Financed education through working part time
- Current GPA: 3.40

WORK EXPERIENCE

Mechanical Engineering Intern - APR 2024 - Present

C-MECH Engineering, Logan, UT

- Calculated heating and cooling loads across multi-story buildings
- Planned, sized, and detailed ductwork and piping for construction drawings
- Ensured compliance of contractors submittals with documented specifications
- Condensed processes to become more efficient and wrote technical documentation prescribing company processes and standards
- Compiled international code changes for governing body review and discussion

Mechanical Engineering Intern - JAN 2024 - APR 2025

USU Facilities HVAC Systems, Logan, UT

- Converted complicated construction drawings to Autocad models to update outdated paper records to reflect as built systems
- Maintained quality control on a variety of HVAC systems in order to increase energy efficiency
- Created detailed schematic drawings and system diagrams of HVAC systems for 6 buildings on USU's campus

Customer Service Representative - JULY 2022 - JAN 2024

Vivint Security, Logan, UT

- Performed in the top 25% of reps and was recruited by the special resolutions in order to deal with the most complex and frustrated customers
- Identified unspoken issues through effective communication with customers in order to address concerns and find positive resolutions when dealing with escalated customers on a daily basis
- Communicated with customers effectively and explicitly to build value in the company's product and values and solve complex problems using company policy creatively
- De-escalated angry customers through thorough exploration of customer needs and positive reinforcement of solutions through creative methods

Framer - MAR 2019 - OCT 2019 , NOV 2021 - DEC 2021

Liberty Homes LLC, Minden, NV

- Operated Heavy Machinery (skid steer, road roller, skyjack) in order to grade and prep constructions sites for foundation work
- Performed a variety of tasks including demolition, concrete, rebar, framing, roofing, remodels, finish work, and landscaping to ensure timely completion of projects
- Adapted to inclement weather, setbacks, and pressing deadlines to ensure project completion despite complications

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Retail Clerk - JAN 2022 - AUG 2022

Kroger Foods, Logan, UT

- Maintained store inventory and appearance to present a clean and well kept store for patrons
- Updated inventory, backstock, and reports to ensure retail team kept up to date on responsibilities in store upkeep

PROJECTS

RC Boat Challenge - JAN 2022 - MAY 2022

Utah State University

- Led and organized a group of 5 and delegated responsibilities to ensure completion of the project
- Constructed mast, ballast, and rudder according to challenge specifications for RC Boat using a variety of materials and methods

Portable Air Conditioning Unit - JAN 2024 - AUG 2024

ASHRAE

- Converted an everyday cooler into an air conditioner unit using simple power tools and amazon materials
- Enabled heat transfer through the use of thermoelectrics and aluminum fins and a water medium to cool the air

Teton Dam Failure Case Study Report - Sep 2024 - Oct 2024

Utah State University

- Wrote a 2500 word technical document case study report on the Teton Dam failure to analyze the ethical implications of the case
- Highlighted the causes of failure and poor ethical decisions that led to the failure

Request for Funding Proposal Project - Sep 2024 - Dec 2024

Utah State University

- Constructed and presented a formal presentation requesting funding on a proposed project
- Worked on a team of four to brainstorm solutions and methods of work to creatively and effectively solve the problem
- Wrote a 17 page formal proposal document as a team that contained all essential elements to a formal request for funding document

SKILLS AND CERTIFICATIONS

Solidworks

Technical Writing

Chvac Load Calculator

Python

Bluebeam PDF

Salesforce

Autocad

Workday

Website Development

EXTRA CURRICULARS

USUSA Swing Dance Club Treasurer - Aug 2022 - Dec 2024

USUSA Water Polo Team Member - Jan 2024 - June 2024

ASHRAE Student Member - Jan 2024 - Present

LDSSA Co-President - May 2024 - May 2025

ASHRAE USU Student Chapter Treasurer - Sep 2024 - Present