

# Logan Carter

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## Summary

Dedicated, innovative, and ambitious Mechanical engineering student at the University of Colorado Boulder. Seeking an internship with Tokyo electron to gain experience in Semiconductors, Mechanical Design and Data-Driven Engineering. Extensive knowledge in Solidworks(CAD), MATLAB, excel, 3D printing and known for analytical precision, creativity and problem solving.

## Education

*B.S Mechanical Engineering - ABET Accredited / Minor in Math / Minor in Aerospace* 12/2027

3.6 GPA · University of Colorado at Boulder · Boulder, CO

*United States Naval Academy - Accepted into the class of 2028 / Medical disqualification*

*Mechanical Engineering / Minor in Math / Minor in Finance* 05/2025

3.6 GPA · University of Massachusetts at Lowell · Lowell, MA

- Awards - Dean's List, Fall 2024 / Spring 2025 / Honors College
- Relevant courses - Materials Science for Eng. / Computer Aided Design / Manufacturing Laboratory / Thermodynamics / Calculus 1-3 / Differential Equations / Engineering Projects
- Clubs - Business Analytics Society / Engineers for a Sustainable World / Leaders in Action

## Engineering Projects

*GEEN 1400 - Engineering Projects* 01/2026 - 05/2026

University of Colorado Boulder · Boulder CO

- Executed a multi-phase engineering design project starting with concept development, CAD modeling, fabrication and testing of working prototypes, integrating analysis to design improvements
- Collaborated with multiple teammates to validate designs through testing, documentation and final presentation at design Expo

*Trail design and construction*

- Led track team members to create a project plan and technical designs for a major renovation project
- Engineered structural plans to create a path in the woods and use gravel to make the trail

*Website creation*

- Building websites for small companies that have no website, or very old sites that could use an update

## Experience

*Sales Intern* 06/2025 - 12/2025

ALKU · Andover MA

- Recruiting intern getting information about people who are currently looking for new jobs
- Gained valuable communication skills by engaging with PhD engineers with 20+ years of experience helping to place them on highly competitive roles in their field

*Maintenance Crew*

04/2024 - 09/2024

Passaconaway country club · Litchfield, NH

- Collected golf balls daily from the driving range to ensure the smooth flow of play.
- Cleaned every cart after the players finished and returned it to the lot.
- Worked the cash register and assisted customers with any needs

*Medical Records Technician*

05/2023 - 08/2023

Derry Medical Center · Derry, NH

- Assisted in evaluation, and selection of medical records that were to date and those that needed re-evaluation

*Landscaping crew*

05/2021 - 09/2022

Trey's Amigos · Windham, NH

- Mowing, trimming, edging, weeding and mulching lawns / Installing underground piping

## Technical Skills

SolidWorks (CAD), 5S Lean, Excel, Ansys Workbench (FEA), Mechanical design, Time management, Gemba Walk, Leadership, Communication, problem solving, Creativity, data analysis, Pro-E,, Troubleshooting/testing, 3D Printing