

Bradley T. Quick

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Objective:

Seeking a mechanical engineering internship to apply my theoretical knowledge to practical situations and gain experience in the field. Self starter, quick learner, and creative problem-solver possessing strong interpersonal skills which makes me a valued team player.

Education:

University of Connecticut, Storrs, CT
Bachelor of Science in Engineering, May 2024
Major: Mechanical Engineering ; GPA: 3.18/4.00

Technical Skills:

Matlab Simulink, developed transfer function systems as part of a Linear Systems Theory class project
Python, took an introductory level python course at Uconn (CSE 1010)
AutoCAD, drafted property surveys for residential and commercial buildings
Autodesk Revit, created architectural designs for two models: a train station concept and an apartment building

Experience:

J Edwards Associates, Easton, CT

Engineering Intern, May 2022-August 2022

- Worked 40+ hours a week (full-time) as a land surveyor and drafter
- Utilized Robotic Survey Guns (Leica Nova MS60) and data systems to create sophisticated topographical maps of residential and commercial buildings across the state of Connecticut
- Conducted percolation tests for the installation of septic tanks
- Created A-2 surveys for civil engineering projects using AutoCAD software
- Used GPS Survey equipment to accurately measure and map topography, boundaries, and other features for various land surveying projects

Land Surveying Services, Fairfield, CT

Engineering Intern, May 2021-August 2021

- Worked 40+ hours a week (full-time) as an assistant land surveyor and drafter
- Utilized Robotic Survey Guns (Trimble S5) and data systems to create sophisticated topographical maps of residential and commercial buildings in Fairfield County, Connecticut
- Created A-2 surveys for civil engineering projects using AutoCAD software
- Used GPS Survey equipment to accurately measure and map topography, boundaries, and other features for various land surveying projects

Relevant Projects:

Uconn School Of Engineering, Storrs, CT

Applied Mechanics I Final Course Project, Fall 2021

- Devised a set of seven intricate problems that skillfully addressed the fundamental principles of applied mechanics
- Created precise and detailed models for each problem's schematic, utilizing the advanced 3D modeling capabilities of Google Sketchup

Engineering Dynamics (Applied Mechanics II) Final Course Project, Spring 2022

- Developed a professional engineering report based on an in-depth investigation of a robotic arm's circular motion
- Tackled a range of self-made problem sets linked to the analysis

Applied Thermodynamics Final Course Project, Spring 2022

- Analyzed the design of a turbo-fan engine and solved problems relating to it's thermodynamic processes

Fluid Dynamics I Ethics Study, Fall 2022

- Created a report that analyzed the causes of the Boeing 737-Max's failure
- Researched the significance of MCAS (Maneuvering Characteristics Augmentation System) on the aircraft