

Ethan Parham

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Campus Address:

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Permanent Address:

403 New York Lane
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OBJECTIVE

To obtain an internship or research position with a firm utilizing mechanical engineers to develop my skills in the engineering field.

EDUCATION

University of Michigan, Ann Arbor, Michigan

Bachelor of Science in Mechanical Engineering

Anticipated Graduation: December 2023

Cumulative GPA: 3.84/4.00

Relevant Coursework:

- Design and Manufacturing I – Worked on a five-member team to design and manufacture a remote controlled robot within a limited budget. The team coordinated with other teams in the lab section to create a specialized design which would cooperate with additional robots to complete tasks. The design was modeled in Solidworks, then parts were manufactured using a mill, lathe, waterjet, and 3D printer.
- Laboratory I – Worked as a part of a four-member team to gain practical experience in experimentation, instrumentation, and data collection. Used MATLAB software to perform data, error, and uncertainty analysis to produce figures to be used in writing depth reports responding to a mock client's requests.
- MATLAB Applications Development – Used MATLAB software to solve complex engineering problems by producing models for data analysis and plotting
- Additional Courses – Introduction to Engineering Design, Introduction to Solid Mechanics, Dynamics and Vibrations, Mechanical Behavior of Materials, Thermodynamics I, Design and Manufacturing I, Fluid Mechanics I, Introduction to Probability and Statistics, Electrical Circuits, Systems, and Applications, Programming and Intro Data Structures

James B. Conant High School, Hoffman Estates, Illinois

High School Diploma

Cumulative GPA: 4.9/4.0

WORK EXPERIENCE

Staples Connect, 610 Meacham Road, Elk Grove Village, Illinois

Tech Sales Associate, June 2021 – August 2021

- Advised customers on printer, computer, monitor, technology accessory, and furniture purchases

- Diagnosed technology services issues in person and over the phone
- Repaired hardware issues including battery and hard drive replacements
- Resolved software issues such as virus detection and removal, data transfers, and new PC setup
- Completed additional cashiering, customer service and store stocking assignments

Campanelli YMCA, 300 W. Wise Road, Schaumburg, Illinois
Front Door Greeter/Customer Service, January 2020 – March 2020

LEADERSHIP EXPERIENCE

Conant High School Marching Band, Hoffman Estates, Illinois
Section Leader, Summer 2019 – Spring 2020

- Planned sectionals to improve marching and music skills of band members
- Led the section in activities to promote community within the band
- Organized summer events for offseason meetups

Conant Cross Country Team, Hoffman Estates, Illinois
Varsity Cross Country and Distance Track Team Captain, Summer 2018 – Spring 2020

- Led the team through warmups for practice and meets
- Relayed instructions from the coach to the rest of the team
- Organized weekend runs and workouts outside of official practices
- Helped resolve various issues that members of the team brought to me

ACTIVITIES

Participant, University of Michigan Marching Band, Fall 2020 – present

Participant, University of Michigan Hockey Band, Fall 2021 – present

Active, Tau Beta Pi Michigan Gamma Chapter, Fall 2021 – present

Participant and Section Leader, Conant High School Marching Band, Fall 2016 – Spring 2020

Team Member and Captain, Conant Cross Country and Track Teams, Spring 2017 – Spring 2020

SCUBA Diver, Professional Association of Diving Instructors (PADI), Summer 2016 – present

SKILLS

Personal Computers – Hardware and software applications

Proficient in Microsoft Office and Google Workspace

Proficient in MATLAB

Experience with mill and lathe shop tools

Experience with Solidworks

Experience with C++, Java, Python, and HTML/CSS