

# Hannah Soderstrom

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## Education

**University of Michigan, College of Engineering; GPA: 3.94/4.00**  
*B.S.E. in Computer Science*  
*Minor in UX Design*

*Ann Arbor, MI*  
*Dec 2024*

- **Relevant Courses:** Programming and Intro to Data Structures, Web Design and Development, Discrete Math, Calculus I, II, & IV, General Physics I & II

## Projects

**Computer Vision (C++)** *September 2022*

- Wrote and debugged program that uses seam carving for content-aware resizing of images in PPM format
- Implemented a functional algorithm that determines which areas of the image are least important based on uniqueness and removes these pixels, thus resizing the image

**Tau Epsilon Kappa Website Design** *Present -*

- Designing and building a web platform for use by student-led group using HTML, CSS, and JavaScript
- Creating accessible, responsive, and functional user interface for all users, regardless of web preferences, browsers, or device used to view website

## Work Experience

**Autoliv** *Auburn Hills, MI*  
*New Business Development Intern* *May 2022 - August 2022*

- Led team in developing a global business unit overview, allowing for employees worldwide to present a cohesive document relaying our goals and progress to potential customers
- Assisted sales team manager by maintaining and updating 80+ price increase requests, legal document spreadsheets, and price walkthroughs
- Conducted test summaries and post-testing product breakdown & analysis on sets of ~60 sample products each, resulting in functional improvement in many product prototypes
- Prepared project steering committee approval presentations for customers at varying levels of project planning, resulting in the approval of business with multiple new automotive and other transportation manufacturers

**Tooraloo & Hemingway Room** *Rochester, MI*  
*Server* *January 2021 - August 2021*

- Provided exceptional and efficient service to hundreds of customers during each shift
- Promptly addressed any customer concerns or dissatisfaction in order to mitigate any further escalation
- Operated POS computer system to input orders and communicated effectively with kitchen staff, ensuring customers receive correct orders in a timely manner

## Organizations

**Meg Consulting Group** *September 2022 - Present*  
*Consulting Analyst*

- Analyst at pro-bono, student-led consulting group, which provides businesses ranging from local startups to million dollar companies the solutions for real world problems they are facing

**Tau Epsilon Kappa Alpha Class - Professional Technology Fraternity** *April 2022 - Present*  
*New Membership Committee & Internal Affairs Committee*

- Responsible for development and execution of both bonding and philanthropy related events, raising funds to donate to local charities while also fostering bonding between brothers
- Coordinates each recruitment cycle as well as new member orientations, building a community of excellence within our fraternity

## Skills

C++, HTML, CSS, JavaScript, Matlab, Fluent in Swedish - Seal of Biliteracy