

# Sean Anderson

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## Education

Dec 2023 | **Computer Science, University of Michigan College of Engineering**  
GPA: 3.94/4.0  
Course Highlights: Data Structures and Algorithms, Computer Architecture, Computer Security, Web Systems, Database Management Systems

## Computer Skills

- |                |              |                |
|----------------|--------------|----------------|
| • C++          | • HTML       | • Java         |
| • Python       | • Javascript | • Visual Basic |
| • React Native | • SQL        | • R            |

## Work Experience

June 2023 - Present | **Chicago Trading Company**  
*Software Engineer Intern*

- Created an extensible testing tool for Market Access interface using C++ factories
- Simulated trading on an instrument
- Collaborated on channel classifier slack app
- Mock traded in a competitive educational environment

May 2022 - Jul 2022 | **Ford Motor Company**  
*Software Product Development Intern*

- Wrote React-Native applications to render images on in-vehicle screen
- Used FlatBuffers in C++ and Javascript to serialize messages sent over TCP
- Created and imported Conan packages to reduce build time
- Utilized Unreal Engine and Slate components in interfaces

## Honors

Winter 2022 | **James B. Angell Scholar**

Winter 2021, Fall 2021, Winter 2022 | **Dean's List**

## Activities

Sep 2020 - Present | **Michigan Mars Rover Project Team-Perception/Computer Vision**

- Collaborated on computer vision software using opencv and Cuda
- Designed testing framework for euclidean cluster abstraction algorithm
- Won national Mars rover competition in all categories

Sep 2020 - Present | **Tau Beta Pi Engineering Honors Society – Activities Officer (WN 2022)**

- Managed budget of more than \$10,000
- Tutored students in Computer science courses
- Organized social events like bowling and the end-of-term banquet
- Volunteered for events like boy scouts day and forest cleanups