

# Jace DeRosia

Ann Arbor, MI 48104

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## EDUCATION

### University of Michigan

Bachelor of Science in Mechanical Engineering

Ann Arbor, MI

August 2022 – Present

- **GPA:** 4.00/4.00
- **Academic Programs:** Tau Beta Pi, CS Minor, Michigan Research and Discovery Scholars
- **Awards:** Noah and Pauline Sherman Scholarship, William C. Smothers Scholarship, Dean's List

## WORK EXPERIENCE

### Research Assistant, Open-Source Leg Project

Ann Arbor, MI

Neurobionics Lab, University of Michigan

May 2023 – Present

- Tested and documented over 70% of the software library to ensure functionality for future modifications
- Collaborated on the POSE II grant proposal for \$1.5 million of future development funding
- Developed a controller in both C++, MATLAB, and Python to be employed as a standard for any OSL users

### Concierge

Ann Arbor, MI

Inn at the Michigan League

May 2023 – Present

- Address customer inquiries with timely and professional responses via phone, email, and in-person
- Greet, welcome, and attend to guests in a friendly and professional manner

### Research Assistant, IVF Study

Ann Arbor, MI

University of Michigan

September 2022 – May 2023

- Examined and critiqued previous research projects to grasp the research process
- Compiled and analyzed data from 39 IVF patient surveys utilizing Excel
- Assembled and delivered presentations displaying data and conclusions

### Bag Staff

Ann Arbor, MI

Barton Hills Country Club

June 2020 – August 2022

- Assessed members' needs to wash golf carts, clean golf clubs, deliver drinks, and prepare golf equipment
- Adhered to the direction of the head golf professional to keep the golf course tidy and in order

### Caddy

Ann Arbor, MI

Barton Hills Country Club

May 2020 – August 2022

- Supported golfers decisively with selecting clubs, choosing strategies and lining up shots.
- Cleaned and maintained golf clubs, golf balls, and course amenities.
- Repaired divots and ball marks and raked bunkers to increase attraction and boost membership rates

## ADDITIONAL EXPERIENCE

### Tutor, Tau Beta Pi Engineering Honor Society

September 2023 - Present

- Tutored Calculus 1 in a 1-on-1 environment by explaining key principles, and working through example problems

### Varsity Soccer Captain, Chelsea High School

August 2021 – November 2021

- Communicated with coaches, led team stretches, and served as the intermediary for my team and the referees

### Volunteer, National Down Syndrome Society

September 2017 – September 2019

- Served as a friendly outlet by making arts and crafts with kids and handed out t-shirts so everyone felt included

## SKILLS

- Proficient in C++ and Python, intermediate MATLAB experience
- Experience with 3D modeling software with Catia, fluid flow simulation with StarCCM+, and solid simulation with SimDesigner
- Adaptability, organization, openness to feedback, strong work ethic, and attention to detail