Anneliese Ferguson

6293 - North Quadrangle • 105 S State St • Ann Arbor, MI
231-409-7060 annferg@umich.edu

EDUCATION

University of Michigan College of Engineering **Ann Arbor, MI**
Bachelor of Science Computer Science Engineering *May 2025*
M-STEM Scholar *GPA: 3.8/4.0*

Cultural Experiences Abroad Center Paris **Paris, France**
Study Abroad Program: Engineering in Paris *Summer2022*

Traverse City Central High School **Traverse City, MI**
Summa Cum Laude *June 2021*
Sci-Ma-Tech Scholar *GPA: 3.99/4.0*

RELEVANT PROJECT EXPERIENCE

Evolution and Motion of Biology and Robotics (EMBiR) Labs **Ann Arbor, MI**
Undergraduate Research Assistant *September 2022 - Present*

- Collaborate with team members to optimize HASEL actuators
- Optimize HASEL actuators through frequency, volume, and liquid flow experiments
- Design a soft robotic gripper
- Design and write force calibration code for actuator testing

Michigan Neuroprosthetics **Ann Arbor, MI**
Project Team Member *January 2022 - Present*

- Collaborate with team members to organize professional development and social events
- Manage club funds, Apply for grants and allocate money to club subteams

Engineering 100: Mechanics and Materials in Design for Orthopedic Implants **Ann Arbor, MI**
Project Team Member *September 2021 - December 2021*

- Researched cervical spondylosis and the use of spinal cage implants as a medical intervention
- Designed and presented novel alterations to current spinal cage implant models to improve functionality

VOLUNTEERING

Big Brothers Big Sisters **Traverse City, MI**
Big Sister *September 2019 – May 2021*

- Mentored an impoverished elementary school child
- Practiced emotional and educational skills while being a supportive and present mentor

Elementary Engineering Partnership **Ann Arbor, MI**
Elementary School Mentor *September 2022 - Present*

- Mentor elementary school students in different fields of engineering

HONORS

Michigan College of Engineering Dean's List: Fall 2021, Winter 2022, Fall 2022
University of Michigan Regents Scholar

RELEVANT COURSEWORK

Programming and Introductory Data Structures (EECS 280), Engineering 100, Engineering 101