

EDUCATION

University of Michigan, Ann Arbor

August 2021 – May 2024

- B.S.E., Major in Electrical Engineering, Minor in Physics - 3.89 GPA
- Course Highlights: Principles of Photonics, Control Systems Analysis and Design, and Quantum Electromagnetics

Washtenaw Community College, Ann Arbor

January 2019 – May 2021

- Associates in Pre-Engineering Science - 3.96 GPA
- Graduate Speaker, May 2021 Graduation Salute and Student Speaker, Fall 2020 Honors Convocation

RESEARCH

Multiresonant Metasurfaces | Independent, University of Michigan

May 2023 – Present

- Investigated multiple periodic geometries for their multiresonant properties using Lumerical FDTD
- Explored the refractive index dependence of the selected surfaces' multi resonant patterns
- Utilized Python and MATLAB to detect peaks in the reflectance spectrum of the surfaces

EXPERIENCE

Transfer Student Leader | Engineering Advising Center, University of Michigan

April 2022 – Present

- Guided new transfers by providing helpful resources, holding office hours, and offering direction
- Developed and organized constructive and engaging events that aid in the success and integration of new transfers

Cooperative Assistant | Consumers Energy, LVD Design Standards & Materials

May 2023 – August 2023

- Performed regular reviews and updates for the LVD design and installation manuals
- Reviewed approval drawings and assisted in creating new standards and specifications

Supply Chain Associate | Liberty Fulfillment

June 2022 – December 2022

- Utilized Excel to monitor sales growth and make accurate projections
- Picked, quality controlled, and shipped orders as well as audited and managed inventory

Student Tutor | Writing Center, Washtenaw Community College

August 2019 – May 2021

- Optimized assistance to students coming in with a wide range of skill levels, backgrounds, and types of writing
- Effectively provided constructive feedback that encouraged students to improve and continue learning

EXTRA CURRICULARS

Vice President | IEEE - Eta Kappa Nu, Beta Epsilon Chapter

April 2023 – Present

- Assisted electees, managed the electee experience, and ran the electee mixer
- Wrote the electee exam, created mentoring challenges, and mentored new electees

Member | Supermileage, Electric Motor Team

November 2022 – August 2023

- Designed components and found new ways to make vehicle operation more efficient
- Assisted leads in completing more complex projects

VP of Leadership and Scholarship | Phi Theta Kappa, Beta Gamma Alpha Chapter

May 2020 – May 2021

- Increased student awareness of scholarship opportunities
- Lead the College Project and wrote Hallmark Awards applications, the majority of which received awards

LANGUAGES & SOFTWARE

- C++, Python, MATLAB, LaTeX, C, Arduino Code
- Ansys Lumerical FDTD, Ansys HFSS, VS Code, Visual Studio, Microsoft Office, LTspice, Google Colab