

SUMMARY

Electrical Engineering Student at the University at Buffalo with excellent mathematical and problem-solving skills. Motivated to learn and perform high quality work in both group and independent settings. Currently seeking a full-time role in electrical or systems engineering starting in Fall 2025, with an interest in digital circuit design and sustainability.

EDUCATION

University at Buffalo, The State University of New York

Bachelor of Science, Electrical Engineering, May 2025

Bachelor of Arts, General Mathematics, May 2025

- 3.9 GPA
- Honors College
- Relevant Coursework: Circuit Analysis, Engineering Computations, STEM Communications, Digital Principles, Signals and Systems, Applied Probability, Electronic Devices & Circuits I and II, Applied Electromagnetics, Fundamentals of Energy Systems, Embedded Systems, Communications Systems

WORK EXPERIENCE

GlobalFoundries – Essex Junction, VT

Yield and Characterization Engineering Intern | May 2024 – August 2024

- Used RStudio to develop an interactive wafer functional test feedback system for materials review board events
- Application generated PowerPoint summaries to improve team efficiency and use of resources and drive yield learning

Moog – East Aurora, NY

Electrical Design Engineering Intern | May 2023 – January 2024

- Performed circuit analysis using PSpice and signal integrity tests using HyperLynx
- Prepared technical slides and documents for critical design reviews

University at Buffalo – Buffalo, NY

Engineering Principles Seminar Student Leader/Grader | August 2022 – Current

- Mentor freshman through completing an Engineering Recommendation Report and a Turbine/Boat Design Project
- Grade lab and lecture assignments weekly, providing useful feedback to help students develop technical writing skills

Moog – East Aurora, NY

Space and Defense Summer Employee | May 2022 – August 2022

- Modified Space Fluids Engineering Instructions for readability and accuracy
- Created engineering instructions for measuring instruments, oscilloscope operation, and critical surface finishes
- Developed a cleanroom production tracking system, including layout, contents, and location

LEADERSHIP

Tau Beta Pi NY N – President

- Plan and host events to improve engagement and organization awareness, with a focus on increasing alumni involvement
- Serve as a liaison between the NY N Chapter and Nationals while conducting the chapter within current traditions
- Attend the 2024 national convention in Rapid City, SD along with the 2023 and 2024 regional conference in Binghamton, NY

SKILLS

- | | | | |
|-----------|----------|-------------|-------------------|
| • MATLAB | • C/C++ | • HyperLynx | • Microsoft Suite |
| • RStudio | • PSpice | • Multisim | • B-flat Clarinet |

PROJECTS

Frogger | Embedded Systems Course | April 2024 – May 2024

- Implemented Frogger onto a ZyboZ7 development board and LCD display using Xilinx Vitis for C software programming

Renewable Natural Gas from Food Waste | National Fuel Gas | UB Engineering Intramurals | October 2022 – May 2023

- Conducted a feasibility study on the implementation of an anaerobic digester on UB’s campus

Wind Turbine | Engineering Principles Seminar | August 2021 – December 2021

- Designed and optimized a turbine producing the maximum power as a group of four engineering students

HONORS AND AWARDS

- | | |
|-----------------------------|------------------------------------------|
| • Dean’s List all semesters | • Tau Beta Pi Engineering Honors Society |
| • Turbine Design Award | • Phi Beta Kappa Honors Society |
| • Pride of NY Scholarship | • Tau Beta Pi Scholarship |