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## 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 summer 2024 internship in electrical or systems engineering.

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## EDUCATION

**University at Buffalo, The State University of New York**

**Bachelor of Science**, Electrical Engineering, May 2025

*Minor in Mathematics and Clarinet Performance*

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

**Orchard Park High School**

Graduated May 2021

- Advanced Regents Diploma, Spanish Seal of Biliteracy, National Honor Society, Spanish National Honor Society
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## WORK EXPERIENCE

**Moog – East Aurora, NY**

**Electrical Engineering Intern** | May 2023 – Current

- Perform circuit analysis using PSPICE and signal integrity tests using HyperLynx
- Prepare technical slides for critical design reviews
- Observe and assist with hands on hardware testing in the lab

**University at Buffalo – Buffalo, NY**

**Engineering Principles Seminal Student Leader/Grader** | August 2022 – Current

- Mentor freshman through the process of completing an Engineering Recommendation Report
- Manage two four person lab groups throughout 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 technical instructions for measuring instruments, oscilloscope operation, and critical surface finishes to be used for new employee onboarding training
  - Developed a cleanroom production tracking system, including layout, contents, and location
  - Observed torque motor, solenoid valve, and ball valve production
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## SKILLS

- |          |             |                          |
|----------|-------------|--------------------------|
| • MATLAB | • HyperLynx | • Microsoft Office Suite |
| • PSPICE | • Multisim  |                          |
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## PROJECTS

**Renewable Natural Gas from Food Waste**

**National Fuel Gas** – UB Engineering Intramurals | October 2022 – May 2023

- Worked as a member of a five-person multidisciplinary engineering team
- 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
  - Managed cur in/out timing, fa speed measuring, blade design, and turbine assembly
  - Received a Design Award for turbine design and physics explanations
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## HONORS AND AWARDS

- |                              |                                 |
|------------------------------|---------------------------------|
| • Dean's List every semester | • Pride of New York Scholarship |
| • Turbine Design Award       | • Tau Beta Pi Initiate          |