

Graduate electrical engineer (BS/MS) with experience in PCB design, embedded systems, programming, robotics applications and multidisciplinary team leadership. Searching for a full time opportunity after graduation. Driven to make a positive impact on the world.

Education

Rochester Institute of Technology

Expected Graduation: May 2026

Electrical Engineering BS/MS, Robotics Focus Area, Communications Immersion

Work Experience

Applied Materials

- Electrical Engineering Co-op
- *May 2025 - August 2025*
 - *Designed PCB schematics, created diagrams and documentation, then gave a presentation on the project*

Northern Lights Candles

- Manufacturing Engineering Co-op
- *June 2024 - August 2024*
 - *Technical documents and tutorial videos for machinery and processes*
 - *Assembly and calibration of machinery*

Caliber Imaging and Diagnostics

- Electrical Engineering Co-op
- *June 2023 - January 2024*
 - *Breadboarding, programming microcontrollers and FPGAs, PCB schematic, layout, then testing*

Wegmans

- Sub Shop and Pizza Employee
- *March 2021 - Present*
 - *Customer service and cash handling*
 - *Team-building and informally training new hires*

Skills

- **Printed Circuit Board (PCB) Design**
 - Schematics and Layout
 - Software Used: KiCAD, PADs Professional, LTSPICE
- **PCB Testing and Troubleshooting**
 - Bench Equipment: Oscilloscope, Digital Multimeter (DMM), Function/Waveform Generator
 - Soldering
- **Technical Documentation and Writing**
- **Embedded Systems**
 - Microcontroller and Peripheral Programming: Arduino, C++, Assembly
 - FPGA Programming: Verilog, VHDL, Quartus, Vivado
- **Programming**
 - Python, MATLAB, C
- **Soft Skills**
 - Problem Solving, Public Speaking, Teamwork, Leadership

Major Labs and Projects

Multidisciplinary Senior Design, Electrical Project Manager - Robot Arm for Boston Dynamics SPOT Robot

Biorobotics/Cybernetics - Neural Signal + Machine Learning (ML) Controlled Prosthetic Thumb

Digital Systems II - Reduced Instruction Set Computer (RISC) in Verilog

Embedded Systems - IEEE Formatted Paper on Microcontroller ADC User Interface

Personal Project - 3D Printed Automatic Fish Feeder

Personal Project - Arduino Controlled Robot Car Kit

Awards and Honors

Dean's List - Rochester Institute of Technology

Salutatorian - Alfred-Almond Central School

Wegmans Scholarship - Wegmans