

# Brenda M. Wilson

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## Objective

**Electrical Engineering student looking for full time position starting in Summer 2023.**

## Education

Michigan Technological University (MTU), Houghton, MI

**B.S. Electrical Engineering, Power Concentration | Expected Graduation: May 2023**

University GPA: 3.75 | Departmental GPA: 3.66

## Work Experience

### **Electrical Engineering Intern | Milwaukee Tool | June 2022 – August 2022**

- Designed heatsinks to combat thermal issues on a control board
- Worked with various simulation software to model control board layout and thermal behavior
- Collaborated with different disciplines in the company to manage prototype production

### **Resident Assistant | MTU | January 2021 – December 2021**

- Plan hall events and coordinate involvement with campus traditions
- Promote mental health care, personal development, and inclusivity within the residence halls
- Develop strong individual connections with residents and foster a strong community
- Enforce campus policies

### **Engineering Intern – Solar | Mortenson Construction | May 2021 – August 2021**

- Developed an understanding of utility scale solar photovoltaic electrical systems
- Checked for quality of work on electrical components in the field
- Lead team meetings and coordinated tasks with team members
- Communicated directly with field laborers, subcontractors, and county representatives

### **Learning Center Coach | ECE Department at MTU | August 2022 - Current**

- Assists peers online and virtually in coursework
- Communicates to faculty which area's students are struggling

## Leadership

### **Electrical Hardware Team Lead | MTU Lunabotics | January 2022 – Current**

- Responsible for the selection and incorporation of new hardware into the system
- Creates and manages the project timeline, while also delegating tasks to team members
- Present weekly technical updates to mentors and peers

### **President | National Residence Hall Honorary | May 2021 – May 2022**

- Create meeting agendas
- Coordinate and delegate tasks with other executive board members
- Led the strategic planning committee to help determine long term plans for the organization
- Was previously recruitment chair & social outreach committee head (May 2020 – April 2021)
- Current involved as the Volunteer Chair

## Current Involvement

- Society of Women Engineers
- Eta Kappa Nu
- Tau Beta Pi
- Swing Dancing Club
- St. Albert the Great Catholic Campus Ministry
- National Residence Hall Honorary
- Multiplanetary Innovation Enterprise

## Technical Skills

- MATLAB
- Simulink
- 3D Design with NX
- C Programming
- Microsoft Office
- Digital Multimeters
- Oscilloscopes
- Altium
- LabVIEW