

# Peter Redman

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## EDUCATION

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### University of Michigan, Ann Arbor, MI

*Bachelor of Science in Engineering in Electrical Engineering*  
*Minor in Mathematics*

*May 2023*  
*GPA: 4.00/4.00*

*Relevant Courses:* Introduction to Circuits, Introduction to Logic Design, Introduction to Electrical Engineering  
Linear Algebra, Calculus I, II, III, Differential Equations, Programming and Introduction to Data Structures

### Herbert Henry Dow High School, Midland, MI

*High School Diploma*  
*Graduated Summa Cum Laude*  
*FIRST Robotics*

*May 2019*  
*GPA: 3.99/4.00*

## EXPERIENCE

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### University of Michigan, College of Engineering, Ann Arbor, MI

*Engineering 100: Introduction to Aerospace – Head Programmer*

*September 2019 – December 2019*

- Devised and implemented effective control scheme in C-based Arduino code to remotely control small blimp
- Assembled wire harness to distribute power and PWM signals to the various components of the system
- Prepared and cowrote comprehensive final report on the design, build process, and performance of the blimp
- Formally presented design and performance of blimp under time constraints

*Math Lab Tutor*

*January 2020 – Present*

- Explain mathematical concepts to students
- Guide students and answer to their questions in Precalculus and Calculus I, II, III, and Differential Equations

### Summer Employment

*Seasonal Laborer, City of Midland Department of Horticulture, Midland, MI*

*June 2020 – August 2020*

- Landscaping and maintenance of city property

*Bicycle Mechanic, The Bicycle Headquarters, Midland, MI*

*May 2019 – July 2019*

- Assembled bicycles from the factory to strict quality specifications, repaired bicycles

*Counselor in Training, The Chippewa Nature Center, Midland, MI*

*Summer 2015, 2016*

- Lead campers through activities and fostered an inclusive environment, allowing campers to grow from their experiences

## LEADERSHIP

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### University of Michigan, Cooperative House, Ann Arbor, MI

*Sojourner Truth House Treasurer*

*August 2020 – Present*

- Create and manage budget for 40+ students utilizing Microsoft Excel to oversee house spending
- Oversee lease payments by maintaining online portal to ensure rent is paid on time
- Correspond with my house officer colleagues, present monthly budget reports

## SKILLS

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*Computer:* C++ (proficient), C (proficient), Java (intermediate), MATLAB (intermediate), Verilog  
Quartus, Microsoft Excel, Microsoft Word, Microsoft PowerPoint

*Languages:* English (native), German (proficient)

## AWARDS

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William J. Branstrom Freshman Prize Recipient

*March 2020*

University of Michigan College of Engineering Dean's List

*Fall 2019, Winter 2020*

## ACTIVITIES

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MFly (University of Michigan Project Team) Member

*January 2020 – Present*

Michigan Aeronautical Science Association (University of Michigan Project Team) Member

*September 2020 – Present*

University of Michigan Campus Band

*September 2019 – Present*

University of Michigan Recreational Tennis

*September 2019 – Present*