

Nicholas A. Piper

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Education

Michigan Technological University **2020-Present**

Major: Electrical Engineering

- Dean's List: Fall 2020, Spring 2021, Fall 2021, Spring 2022
- Electrical Energy Systems -Physics Electricity and Magnetism
- Digital Logic -Circuits II

Fruitport High School **2016 - 2020**

- AP Physics -Engineering
- AP Chemistry -AP Calculus
- AP Language -Technical Drafting

Experience

Fishbeck **2022**

Electrical Engineering Seasonal Technician/Intern

- Worked as a consultant, primarily on water/wastewater projects
- Provided quality assurance/quality control on drawings
- Sized generators for projects
- Reviewed contractor submittals for equipment

Ram Electronics **2017 - 2021**

Student Associate / Project and Production Support

- Prepared electrical components
- De-paneled circuit boards
- Set up testing stations for products

Shipt **2021**

Personal Shopper

- Shopped and delivered orders to customers
- Dealt directly with clients
- Managed time, orders and mileage

Memberships

Multiplanetary Innovations Enterprise **2022 - Present**

Lunabotics Electrical Hardware Member

- Design and fabricate a robot to operate on lunar terrain
- Work in a team environment to meet responsibility deadlines

FIRST Robotics Competition Team 2405 **2016 - 2020**

Team Captain / Electrical Lead

- Designed and built competitive robots
- Communicate with teammates to complete objectives
- Discussed and promoted STEM education at community events

National Honor Society **2018 - 2020**

Volunteering

FIRST Tech Challenge Team 11531

2019 - 2020

High School Mentor

-Taught middle school kids about robotics and engineering

FIRST Lego League Team 28533

2019

High School Mentor

-Taught elementary kids about engineering and programming

Fruitport Lions Club

2015 - Present

-Packaged Thanksgiving food baskets

-Served as a cross guard at Fruitport Old Fashioned Days

-Collected donations at street corners to help pay for high school scholarships

Technology

-SolidWorks

-Siemens NX Modeling

-Verilog Programming

-Google Suites

-MATLAB

-LabVIEW Programming

-Microsoft Office

-C Programming

-Mathematica

-Bluebeam REVU

-AutoCAD

-Revit

-AGI32

Skills

-Hand Drafting

-Basic Electrical Control Systems Knowledge

-Organizational Skills

-Capable of Lifting and Moving Objects

-Hand Tools and Machinery Knowledge

-Following Standard Operating Procedures

-Cable Management

-Client Interactions

-Breadboarding

-Oscilloscope