

# PRESTON HARRELL

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I am looking to gain work experience through a software engineering or other computer science-related position with a focus on low-level hardware and/or machine learning.

## EXPERIENCE

MAY 2022 – AUGUST 2022

### SOFTWARE ENGINEERING INTERN, GARMIN

Work in Python writing automated tests for in-car infotainment system. Using a Git repository, performing code reviews, and writing code for use of other divisions. Required to have an understanding of the infotainment hardware and interface with it at a low level.

SEPTEMBER 2019 – MAY 2022

### PROFESSORIAL RESEARCH ASSISTANT, MICHIGAN STATE UNIVERSITY

Worked with computational chemistry methods to simulate chemical interactions. Developed a more accurate quantum computational approach to predicting enthalpy of formation of PFAS molecules.

MAY 2021 – AUGUST 2021

### IT COOPERATIVE ASSISTANT, CONSUMERS ENERGY

Simplified and automated many complex company workflows, netting significant company time savings. Gained general business skills like communicating effectively in a business setting and pitching and presenting solutions to a customer.

## EDUCATION

AUGUST 2019 - PRESENT

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MICHIGAN STATE UNIVERSITY

Pursuing a Bachelor of Science in computer science and a minor in German at Michigan State University. A part of the MSU Honors College with a current cumulative GPA of 3.95 after the first semester of senior year. Recipient of MSU Honors College STATE scholarship.

JUNE 2019

### HIGH SCHOOL DIPLOMA, NOVI HIGH SCHOOL

Graduated from Novi High school Summa Cum Laude with an unweighted GPA of 3.98.

## SKILLS

- Experience with Java, Python, C and C++
- Experience building apps in Android Studio
- Experience with Linux and Bash
- Can build, service, and operate 3d printers

## ACTIVITIES

I enjoy running, swimming and being active in my free time. I take an interest in any electronics project that I can find and love to learn everything that I can about computers and electronics. I am most proud of my DIY electric longboard, DIY Bluetooth/Airplay speaker and Raspberry Pi-powered Gameboy.