Ashley Heckman

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School Address

273 Keeton House

Ithaca, NY 14850

Home Address

5259 River Ridge Dr

Brighton, MI 48116

Education

Cornell University (Ithaca, NY)   **Expected Graduation: May 2024**

- B.S. Electrical and Computer Engineering
- Dean's List Every Semester
- 3.70 GPA

Brighton High School (Brighton, MI)   **August 2016 – May 2020**

- High School Diploma
- Top 2%
- 4.25 Weighted, 4.0 Unweighted GPA

Relevant Courses

- Intro to Circuits for ECEs
- Digital Logic & Computer Org.
- Computer Systems Programming
- Embedded Systems
- Intelligent Physical Systems
- Computer Architecture
- Digital Systems Design Using Microcontrollers
- Embedded Operating Systems
- Discrete Structures
- Foundations of Artificial Intelligence
- Linear Algebra for Engineers
- Differential Equations for Engineers
- Physics I: Mechanics and Heat
- Physics II: Electricity and Magnetism
- Physics III: Oscillations, Waves, and Quantum Physics

Skills

- C
- C++
- Linux
- Python
- Java
- Verilog
- Waveform Debugging
- Computer Architecture
- Oscilloscopes & Function Generators
- Microcontroller Programming
- Microsoft Office
- GitHub
- Communication
- Teamwork

Work Experience

Embedded Software Engineer   **Cornell Hyperloop (Ithaca, NY)**   **August 2022 - Present**

- Design electronic systems to control a hyperloop pod
- Build circuits using Arduino and sensors; write software to control the state of the pod; read sensor data; communicate data to GUI

Undergraduate Resident Fellow   **Keeton House (Ithaca, NY)**   **August 2022 - Present**

- Serve as a peer mentor; help build a safe and welcoming community; plan/promote a variety of programs and activities; provide assistance, resources, and referral information to students

Volunteer Experience

BKOM Mentor   **Brighton High School**   **August 2018 – May 2020**

- Mentor incoming freshmen; serve as a role model; be their point of contact if anything comes up

After School Tutor   **Brighton High School**   **August 2018 – May 2020**

- Tutor people who need help in various subject areas twice a week