

# Kara Wong

(xxx) xxx-xxxx | [karawong@umich.edu](mailto:karawong@umich.edu) | [linkedin.com/in/wongkara](https://www.linkedin.com/in/wongkara) | [github.com/wongkara](https://github.com/wongkara)

## EDUCATION

---

### University of Michigan

*Bachelor of Science in Engineering, Computer Engineering*

Relevant Coursework: Discrete Mathematics, Linear Algebra, Programming and Introductory Data Structures (C++)

Ann Arbor, MI

Aug 2023 – May 2027

### Rochester Adams High School

*High School Diploma*

Relevant Coursework: AP Computer Science A (Java), AP Computer Science Principles (JavaScript)

Rochester Hills, MI

Aug 2019 – May 2023

## EMPLOYMENT

---

### Michigan Research and Discovery Scholars

*Peer Mentor*

- Supporting first-year scholars in their college transition
- Planning and hosting monthly connection events with mentees

*Recruitment Ambassador*

- Recruited prospective applicants at Campus Day events
- Created content for social media and website

Ann Arbor, MI

Apr 2024 – Present

Jan 2024 – Apr 2024

### University of Michigan

*Research Intern*

- Designed IoT prototypes for a net-zero building automation system
- Developed a Python script to collect CO<sub>2</sub>, humidity, and temperature sensor data via Raspberry Pi GPIO
- Aided research team in MQTT implementation and window actuator fabrication
- Created poster summarizing research outcomes and presented findings at Spring Research Symposium

Ann Arbor, MI

Sep 2023 – Apr 2024

## EXTRACURRICULARS

---

### University of Michigan German Club E-Board

*Marketing & Social Media Chair*

- Maintain and update online accounts representing the club
- Regularly document club activities via photographs and videos
- Ensure high attendance levels at meetings through marketing opportunities

Ann Arbor, MI

Jun 2024 – Present

### M-Fly Aero Design

*Software Subteam Member*

- Collaboratively testing and refining computer vision algorithms for an autonomous competition aircraft

Ann Arbor, MI

Nov 2023 – Present

### Michigan Research and Discovery Scholars

*First-Year Scholar*

- Engaged in weekly social and professional development programming
- Lived and learned with ~140 other students in a close-knit, research-oriented community

Ann Arbor

Aug 2023 – Apr 2024

## PROJECTS

---

### Hockey Puck Tracker | *OpenCV, Python*

- Developing a system to monitor and display hockey puck trajectories, providing valuable insights into shot patterns and player performance through advanced tracking and visualization techniques

### wongkara.github.io | *Git, HTML/CSS, JavaScript, Python*

- Building an interactive animated personal website and portfolio

### Computer Vision (Class Project) | *C++, Git*

- Built a content-aware image resizing program using a seam-carving algorithm

## TECHNICAL SKILLS

---

**Developer Tools:** Eclipse, Git, VS Code

**Languages:** C++, HTML/CSS, Java, JavaScript, Python

**Libraries:** NumPy, OpenCV