

Kara Wong

(xxx) xxx-xxxx | karawong@umich.edu | [linkedin.com/in/wongkara](https://www.linkedin.com/in/wongkara) | 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 CO₂, 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 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, MI

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