

# KEVIN WANG

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## EDUCATION

### University of Michigan

Bachelors of Engineering in Computer Science, Minor in User Experience Design

Ann Arbor, MI

Aug. 2021 – May 2025

**Coursework:** Data Structures and Algorithms, Web Systems, Database Management Systems, Computer Organization, Linear Algebra, Discrete Math, Foundations of Computer Science, Artificial Intelligence

**Leadership:** Michigan Student Artificial Intelligence Lab (Project Lead), MHacks Hackathon (Technology Lead), V1 Start-up Fair (Technology Lead), Michigan Data Science Team (Education Committee Member)

## EXPERIENCE

### Software Engineering Intern

May 2023 – Aug. 2023

Whirlpool Corporation

St. Joseph, MI

- Spearheaded the development of a **C++** and **Python**-based software validation tester for commercial laundry machines, resulting in a **50%** reduction in manual testing efforts and an overnight software validation success rate of **90%**
- Built an **Arduino**-powered programmable logic controller featuring an intuitive touchscreen interface, empowering users to effortlessly generate personalized test scripts for enhanced testing flexibility resulting in over **1.2 million dollars** in cost savings

### Software Engineering Intern

May 2022 – Aug. 2022

LECO Corporation

St. Joseph, MI

- Coded a **Flutter** app leveraging **Azure DevOps API** to facilitate efficient downloading and execution of test builds, optimizing daily workflow for test engineers
- Debugged a critical software crash issue during startup by employing a solution utilizing embedded localization symbols within **C#.NET** framework, rectifying errors caused by invalid localization files
- Coordinated with electrical engineers to identify and rectify an issue causing inaccurate on-screen furnace temperature plots, resulting in software crashes

## PROJECTS

### MHacks 16 Hackathon Core | Flutter, Dart, Supabase, JavaScript, AWS Lambda

Sept. 2023 – Present

- Engineered a **Flutter**-based check-in application, streamlining the process for over **600** participants. Integrated **NFC** technology into lanyards for efficient meal access and seamless LinkedIn profile exchange using passive NFC capabilities
- Developed a **JavaScript** Slack bot on **AWS Lambda**, automating question handling during the event. Streamlined hundreds of participant-to-mentor questions using a dedicated form

### V1 Startup Fair Website | HTML, CSS, Tailwind UI

Sept. 2023 – Oct. 2023

- Redesigned V1 Startup Fair 2023 website, integrating a modern **Tailwind UI** navbar and interactive team headshots, elevating brand presence and celebrating the event's dedicated contributors
- Regularly updated the V1 Startup Fair website with sponsor details, startup profiles, and application information, driving over **1,000 event applicants** and ensuring consistent communication with them

### Corridor | JavaScript, Firebase, Python, Bootstrap, Figma

Jan. 2023 – Present

- Developed map metadata generator web software to allow users to quickly define floor plan features using **JavaScript** and **Bootstrap**, whilst also leading the development of an app to render a navigation system
- Directed a team of **3** software engineers through database design employing Google **Firebase**, weekly JIRA sprint and ticket planning, V1 Build Blue Demo Day, and UI design applying **Figma** in addition to handling business needs

### M-Eats | Flutter, Dart, Python, Firebase, Figma

Jun. 2022 – Present

- Designed and engineered a highly intuitive **Flutter** app tailored for a monthly user base of over **3,000** users. The app provides customizable dining hall menus, empowering users to make well-informed food choices
- Programmed and integrated a **Python** dining-hall menu web-scraper into Firebase, enabling users to interact with menu data in highly flexible ways

## TECHNICAL SKILLS

**Languages:** C++, C, C#, Dart, Python, JavaScript, HTML/CSS, SQL

**Frameworks:** Flutter, Bootstrap, MongoDB, Linux, .NET, TensorFlow, Material-UI, Tailwind UI

**Developer Tools:** Git, Supabase, AWS Lambda, Google Firebase, VS Code, Netlify, Figma, IntelliJ Rider, Arduino, Raspberry Pi

**Libraries:** pandas, NumPy, Matplotlib, scikit-learn