

Heewon Kim

(608) 471-8707 | khw0285@gmail.com | 3030 Fernwood Ave

Github: <https://github.com/Keemeeone> | LinkedIn: <https://www.linkedin.com/in/heewon-kim-hkim/>

Portfolio: <https://keemeeone.github.io/>

TOOLS & LANGUAGES

Java | C | Python | JavaScript | TypeScript | HTML5 | CSS | React | React-Native | FastAPI | Node.js | Git | Linux | SQLite | Jira | Agile | JSON

EXPERIENCES

Software Validation Engineer | Hyundai AutoEver America, Ann Arbor, Michigan May 2024 - Present

- **Designed and implemented validation strategies** for Navigation software, ensuring functionality, performance, and regulatory compliance.
- **Developed a GUI** for sending and receiving signals to a server for testing, ensuring effective communication between the validation environment and software systems.
- **Conducted system audits** for software releases and Map Database updates, validating navigation data for accuracy and compliance with regional requirements.
- **Compiled detailed audit and validation reports**, documenting findings and ensuring proper issue management before deployment.

Back-end Developer | Wisconsin State Cartographer's Office, Madison, WI Sept 2023 - Dec 2023

- Implemented an intuitive map interface, ditching the need for township expertise and boosting user accessibility by 50%
- Developed a FastAPI endpoint to return an array of URLs when multiple URLs are associated with a survey note
- **Collaborated with cross-functional teams** to ensure that the data retrieval system met both functional and regulatory needs, improving accessibility and efficiency.

Co-Founder & Front-end Developer | College Mate App, Madison, WI Oct 2022 - May 2024

- Front-end development of the College Mate App, a tool designed to build a connected community among University of Wisconsin–Madison students
- Developed user-friendly interfaces and interactive features of the app using React, React Native, RESTful APIs, TypeScript, and HTML/CSS
- Implemented responsive design to make College Mate a satisfaction to use on any device, from tiny mobile screens to sprawling monitors
- Worked closely with back-end teams to ensure **data accuracy and system reliability**, enhancing the user experience by focusing on data integrity and functional consistency.

Product Manager & Back-end Developer | With U, Madison, WI Oct 2022 - Feb 2023

- **Managed back-end development** of a community app for saving abandoned dogs, ensuring all back-end operations adhered to best practices for data accuracy and efficiency.
- Performed **rigorous testing and debugging** to ensure seamless data flow and the accuracy of the user-facing system, contributing to the app's reliability and user trust.
- Collaborated across teams to create a unified experience, ensuring that both the technical and user-facing sides of the project were optimized for **data integrity and quality assurance**.

Lead Developer (Front-end) | CheeseHacks Hackathon, Madison, WI Nov 2022

- Collaboratively developed an interactive web application using HTML, CSS, and JavaScript, fostering a deeper understanding of front-end and back-end interactions, which enhanced project efficiency

EDUCATION

Bachelor of Computer Science | University of Wisconsin - Madison Jan 2021 - Dec 2023 • **Relevant**

Courses Completed: object-oriented programming, data structures, machine organization and programming, operating system, front-end designing, software quality testing, building user interfaces, human-computer interaction, discrete mathematics propositioning, and algorithm