

Heewon Kim

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

SUMMARY

Software developer with a passion for crafting innovative and user-centric applications. Adept at collaborating with diverse teams and steering projects from inception to completion. Seeking to leverage my extensive experience in various industries and beyond to solve complex problems and deliver exceptional results.

TOOLS & LANGUAGES

Java | C | Python | JavaScript | TypeScript | HTML5 | CSS | R | MySQL | React | React-Native | Node.js | Postman | Git | Linux | Figma | FastAPI | JSON | pgAdmin | Jira | Agile | Scrum

EXPERIENCES

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
- Transformed a complex set of 2,136 XML files into accessible formats (CSV, JSON) using Python. This data exporter unlocked new ways to use survey notes and boosted accessibility by 30%, saving development time
- Developed a FastAPI endpoint to return an array of URLs when multiple URLs are associated with a survey note
- Implemented an accurate URL retrieval system using DTR and line number inputs, streamlining data access

Co-Founder & Front-end Developer | College Mate App, Madison, WI

Oct 2022 - Present

- 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
- Slashed initial page load times by a whopping 40%. pre-rendered lightweight wrapper pages, so users can see the all pages within 2 seconds

Organizer & Developer | Google Developer Club

Jan 2021 - Dec 2023

- Developed and facilitated workshops that armed students with knowledge and resources to conquer their job interviews
- Made back-end, and front-end brought their skills together to explore groundbreaking projects and ignite innovations
- Planned and executed engaging teamwork activities, fostering a vibrant and welcoming community where aspiring devs can collaborate and flourish

Product Manager & Back-end Developer | With U, Madison, WI

Oct 2022 - Feb 2023

- Led the digital heartbeat of a community app dedicated to saving abandoned dogs. This wasn't just code, it was building a lifeline for furry friends in need
- Ensured seamless back-end operations through rigorous testing, debugging, and performance optimization
- Forged strong partnerships with front-end and cross-functional teams, harmonizing code and features to create a user experience as heartwarming as the mission itself

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

Madison Area Technical College

Sept 2019 - Dec 2020