

Heewon Kim

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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 | Kotlin | R | MySQL | React | React-Native | Spring boot | jQuery | Postman | Git | Linux | Figma | FastAPI | JSON | pgAdmin | Jira | Agile | Node.js

EXPERIENCES

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

- Simplify survey note retrieval by implementing an intuitive map-based interface, eliminating the need for specialized township knowledge and greatly enhancing user accessibility
- Analyzed 2,136 XML files to identify data patterns and developed an XML export feature using Python. This feature enables the efficient transformation of survey notes into multiple formats, including CSV and JSON, to accommodate diverse front-end requirements
- Develop a FastAPI endpoint to return an array of URLs when multiple URLs are associated with a survey note. Implement basic querying to retrieve URLs based on DTR and line number provided by the front-end

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

- Lead front-end development of the College Mate App, a tool designed to build a connected community among University of Wisconsin–Madison students
- Develop user-friendly interfaces and interactive features of the app using React, React Native, RESTful APIs, TypeScript, and HTML/CSS
- Implement responsive design to create user-friendly and satisfying web experiences across a broad spectrum of devices and screen sizes, from minimal to maximal display dimensions
- Accelerate initial page loads by 40% through pre-rendered lightweight wrapper pages, enabling users to view essential information within 2 seconds

Organizer & Developer | Google Developer Club Jan 2021 - Present

- Develop and facilitate interview workshops to equip students with the knowledge and resources necessary to excel in their job interviews
- Collaborate effectively with a diverse team of skilled individuals, including back-end and front-end developers, to explore and initiate innovative projects.
- Plan execute teamwork activities to ensure a vibrant and engaging community for aspiring developers

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

- Led the backend development of a community app for abandoned dog rescue, project document management, and data design optimization, utilizing Spring Boot, MySQL, and Java.
- Conducted testing, debugging, and performance optimization for reliable back-end functionality
- Collaborated with cross-functional teams with back-end and front-end for seamless integration and implementation of app features

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