

TAENAM KIM

Madison, Wisconsin

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Education

University of Wisconsin, Madison

Bachelor of Science in Computer Science

Madison, WI

Experience

Forbes

June 2024 – present

Software Engineer intern (API team)

New York, NY

- Rebuilding **Forbes.com/quotes** with **Next.js** for the Frontend and **MongoDB** for API data management, enhancing scalability and user experience for **1.8M+ annual users** through **component architecture** and **state management**
- Developed and refined over **20 TypeScript components** and optimized **GraphQL queries** across **15+ endpoints**, enhancing codebase efficiency by **14%** and data retrieval speed by **22%** for the FUEL project at Forbes.

Poeple and Robotics

May 2024 – Present

Research Intern

Madison, WI

- Developing a **Visual Learning Model (VLM)** utilizing deep learning techniques including **CNNs** and **RNNs** to perform video analysis, generate summaries and scripts, and execute real-time object detection.
- Engineering the Frontend with **React** for video analysis display, and implementing a **Flask** Backend to handle **VLM processing**, data serialization with **JSON**, and asynchronous task execution with **Celery**.

Social-To-Do

September 2023 – Present

Founder

Madison, WI

- Leading a **React Native** productivity app integrating **MySQL** and **Firebase** for database management, and implemented **OAuth 2.0** for enhanced authentication; managed projects efficiently with **Asana**.
- Deployed an application with **React Native** and **Flask**, focusing on enhancing the application's **user-experience navigation** and **database integration**.

Societe Generale Corporate and Investment Banking

June 2023 – August 2023

Data Analyst Intern (Global Technology Services)

New York, NY

- Utilized **Python libraries (Pandas, Matplotlib)** to optimize project budget analysis, reducing allocation time by **20%** and increasing compliance by **30%**
- Developed and deployed automated analytics solutions using **SQL and MongoDB** for data management, integrating **Quick Sort algorithm and Pandas** for improved efficiency and precision in fiscal allocations.

University of Wisconsin, Madison

September 2022 – Present

IT Management Assistant

Madison, WI

- Implementing and optimizing a **library management system** using **Atlassian Confluence**, provided **IT support**, and conducted staff training to enhance **user experience** and **operational efficiency**.

Republic of Korea Army

January 2021 – July 2022

Technical Product Operations Clerk

Gyeonggi-do, South Korea

- Led an 8-member team in cybersecurity for a regiment and initiated a cost-efficiency project that reduced total **CapEx** by **37% (12 million KRW monthly)** through optimizing resource allocation and technical infrastructure.

Projects

Beyond The Book | *Python & Gradio, git*

Demo & GitHub

- Led a team of 4 at **HackIOWA** and developed a **Python Gradio** application leveraging **OpenAI API and CSV data** to highlight overlooked university expenses, providing students with comprehensive financial insights for college choices.
- Conducted **user research** to identify key pain points in university financial planning and integrated these insights into the app's features to improve **user experience** and value.

Crypto Wallet Adoption | *Python, CSV*

GitHub

- Designed and executed a project aimed at increasing **crypto wallet adoption** in developing markets.
- implemented features such as the **Tech-Economic Index** and **Education-Urban Index**, developed predictive models using **Linear Regression and Random Forest**, and performed **cross-validation**

Technical Skills

Technical Skills: Python, Java, R, CSS, JavaScript, TypeScript, SQL, Apollo GraphQL

Frameworks: Next.js, React/React Native, Flask, MongoDB, OAuth 2.0, Gradio

Tools: Tableau, GitHub, Confluence, Asana, Jira, Kanban, Microsoft Excel, Microsoft PowerPoint, Microsoft Visio, Figma

Methodologies: Agile, Scrum, Sprint, Waterfall, ADDIE