

# TAENAM KIM

Madison, Wisconsin

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## Education

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### University of Wisconsin, Madison

Bachelor of Science in Computer Science

Madison, WI

## Experience

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### Forbes

June 2024 – August 2024

Full-Stack Software Engineer Intern (Forbes Lists team)

New York, NY

- Rebuilding **Forbes.com/quotes** with **Next.js** and **MongoDB** for API data management, enhancing scalability and user experience for **1.8M+ monthly users** through **component architecture** and **state management**.
- Developed and optimized over **20 TypeScript** components and refined **GraphQL queries** across **15 endpoints**, reducing redundant code and improving maintainability, which was tracked through a **18% decrease in file size** and **22% faster data retrieval** for the Forbes Lists team.

### Societe Generale Corporate and Investment Banking

June 2023 – August 2023

Business Analyst Intern (Global Banking Service Unit)

New York, NY

- Collaborated with cross-functional teams to automate data aggregation and visualization using **Pandas** and **Matplotlib**, enhancing **project budget analysis** and reducing allocation time by **18%**, which contributed to improved **financial modeling and decision-making**.
- Developed automated analytics solutions leveraging **SQL** and **MongoDB**, integrating **Linear Regression** and **Pandas** to optimize allocation precision, supporting **Business evaluation** and **Strategic assessments** for corporate clients.

### People and Robotics Laboratory

May 2024 – Present

Research Intern

Madison, WI

- Developing a **Visual Learning Model** with deep learning techniques, **CNNs** and **RNNs**, to analyze videos, generate concise summaries and scripts, and perform real-time object detection, enhancing automated video content processing.
- Engineered a **React Frontend** for video analysis display and a **Flask Backend** for **VLM processing**, utilizing **RESTful APIs** for data exchange and optimizing performance with caching mechanisms.

### Social-To-Do

September 2023 – Present

Founder

Madison, WI

- Led the development of a **React Native** productivity app, integrating **MySQL** and **Firebase** for database management, and implemented **OAuth 2.0** for secure authentication; utilized **Asana** for efficient task tracking.
- Conducted **UX research** and optimized **user experience** navigation and database integration in a cross-platform app, leading to smoother performance and improved functionality.

### University of Wisconsin, Madison

September 2022 – Present

IT Management Assistant: End User Computing (EUC)

Madison, WI

- Implementing and optimizing **library management system** using **Atlassian Confluence** and provided **IT support**

## Projects

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### Beyond The Book: University Financial Insights Application | 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**

### TaskMaster Go | Go

GitHub

- Developed a secure **RESTful API** using **Go** with **JWT authentication** and **PostgreSQL** for task management, enabling users to efficiently manage tasks with full **CRUD functionality**.
- Implemented **user authentication** and **authorization mechanisms**, ensuring secure access to API endpoints

## Technical Skills

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

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

**Tools:** Tableau, GitHub, Confluence, Asana, Jira, Kanban, Microsoft Excel, Microsoft PowerPoint, Slab, Figma, Notion

**Methodologies:** Agile, Scrum, Sprint, Waterfall, ADDIE