

TAEHOON KANG

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EDUCATION

University of Minnesota - Twin Cities

GPA: 3.7333/4.0 | Aug 2022 - May 2026

Bachelor of Science in Computer Science and Data Science

- **Coursework:** Computing and Programming Concepts, Discrete Structures of Computer Science, Algorithms and Data Structures, Probability and Statistics, Machine Architecture and Organization, Advanced Programming Principles, Computational Linear Algebra.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, C#, HTML/CSS, JavaScript, TypeScript, SQL, Go, Golang, PHP, Swift, Kotlin, Dart, Rust

Technologies/Frameworks: Flask, Django, React, React Native, Node.js, Vue.js, Angular, MongoDB, MySQL, Figma, Git/Github, WordPress, AWS, GCP, Neo4j, Bootstrap, Spring Boot, PostgreSQL, .NET, Express.js, Firebase, Plotly, Flutter

EXPERIENCE

Mcnamara Alumni Center

August 2023 - December 2023

Web Developer Assistant

Minneapolis, MN

- Developed **Python** scripts utilizing **Plotly** and **Pandas** to automate routine updates and maintenance tasks, reducing manual workload by **40%**.
- Crafted the McNamara Alumni Center website of over **2000+** users using **PHP, JavaScript, CSS and WordPress, Bootstrap, jQuery**, aimed at improving clear guidance on booking processes and user engagement, reducing manual workload by **20%**.

Minnesota Supercomputing Institute

June 2023 - August 2023

Software Engineer Intern

Minneapolis, MN

- Provided expert assistance to users, focusing on **Linux** command-line solutions, and efficiently resolved software-related issues, resulting in reducing **50%** of manual workload.
- Redesigned MSI's ticket management system website for all department using **Javascript, Veu.js, Node.js, Express, and MySQL**, resulting in **40%** increase in performance.

TransData

June 2021 - August 2021

Software Engineer Intern

Remote

- Refactored **RESTful API** endpoints using **Spring Boot** and **Java** on **AWS** to fetch historical data on user finances and healthcare records, resulting in a **10%** reduction in data processing and optimizing response rates.
- Drafted a fine-tuned **conversational AI chatbot** using **C#** and **.NET** on **Microsoft Azure** with **MVP, Product-Grade builds and Dialogflow** to optimize customer service and technical support, with upwards of **500+** users daily.
- Implemented UI/UX changes to the Transdata Digital of over **1M+** users using **JavaScript, React, and React Native**, increasing the net promoter score by **30%**.

TECHNICAL PROJECTS

Gopher Tunnel(github) | *TypeScript, React Native, ExpressJS, MySQL, Figma, Google Cloud Platform, Neo4j*

- Collaborated with **30** designers, developers, and project managers to develop user friendly 3D map applications tailored for University of Minnesota's expansive tunnel to **8M+** students, professors, and faculty, providing easy navigation to **50+** campus buildings.
- Facilitated collaboration between **designers and developers**, ensuring aesthetic and functional consistency across the application with tools like **Figma** and **React Native**.
- Spearheaded the integration of **Neo4j** and **Google Cloud Platform** to enhance data management efficiency, leveraging **TypeScript, React Native** and **ExpressJS** to streamline front-end development and data processing.

Mcnamara Alumni Center Website(mac-events.org) | *PHP, JavaScript, CSS, WordPress, MySQL, Bootstrap, jQuery*

- Worked with team of **4-members** developers, designers, and engineers to enhance a **WordPress** website, utilizing **PHP, JavaScript, and CSS** to implement backend logic and frontend interactivity, supported by **MySQL** database integration.
- Utilized **Bootstrap** and **jQuery** within a **WordPress** framework, optimizing responsive design and dynamic user experiences, and facilitated advanced functionality with custom plugins and themes.

Official Website of the KCSO Club(github) | *JavaScript, HTML, CSS, NodeJs, ExpressJS, MongoDB*

- Led a team of **3-members** including a backend developer, designers, and a project manager to embark on creating the Korean Computer Scientist Organization's official website, aimed to establish a central hub for communication and resources among **40+** members.
- Developed the website using **JavaScript, HTML, CSS, Node.js, and ExpressJS**, enhancing server-side logic and user experience by optimizing **MongoDB** database schemas.