Won Kim

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EDUCATION

Tufts University, Bachelor of Science in Computer Science and Astrophysics   May 2025
- **GPA**: 3.94, **Honors/Awards**: Dean's List
- **Relevant Courses**: Algorithms, Data Structures, Database Systems, Machine Learning/Data Mining, Machine Structure and Assembly-Language Programming, OOP for GUIs, Programming Languages, Web Programming

WORK EXPERIENCE

Electronic Arts (EA), *Software Engineer Intern*   May 2024 - Aug 2024
- Built new dashboard with Looker Studio by pulling site/user analytics from company's intranet using **Google BigQuery**, **Google Cloud Platform**, **Google Apps Script**, and **SQL**; new data pulled allowed for Product Team to start process of pinpointing outdated pages and contacting page admins for content refresh.
- Developed content creation helper chatbot using **StencilJS** and **TypeScript** to help intranet site admins create or update their pages; improved content consistency, reduced content creation time by 10%.
- Created documentation for development and data-fetching process and presentations regarding findings from analyzing dashboard analytics for the Product Team.

Markit AI, *Full-Stack Software Engineer Intern*   May 2023 - May 2024
- Redesigned ticketing feature and flow with **React**/**React Native**, integrated **Redux** for state management and fetched ticket data from **Firebase** backend. Resulted in 20% increase in ticket purchases.
- Designed and styled event management feature within web app using **React**, providing users with intuitive event organization capabilities. Fetching/displaying real-time event data reduced page load time by 25%.
- Leveraged **custom React hooks** to integrate dark mode feature into web app, enhancing user experience and accessibility. Resulted in 15% increase in user engagement during nighttime hours.
- Redesigned refund process within mobile app, enhanced user trust during refund transactions, re-implemented backend logic using **Stripe**/**Twilio APIs** and ticket data from **Firebase**.

Tufts University, *Teaching Assistant (CS-0105 Programming Languages)*   Sep 2024 - Present
- Mentor 15+ students, teach implementing static typing/type inference in office hours, grade assignments.

PROJECTS

JumboCode   Sep 2022 - Present
Technical Lead   May 2024 - Present
Full-Stack Software Developer   Sep 2022 - May 2024
- Lead team of 10 developers through Agile iterations to build scheduling web app for nonprofit Bread & Roses.
- Develop **MongoDB** schema for users/events in **TypeScript** to render user profiles and schedule events.
- Develop user authentication sign-up/login system using **bcrypt** password-hashing alongside POST request endpoints to send user-inputted data to/from **MongoDB** database; endpoints used in 90% of React components.
- Create API routes for creating, updating, and deleting Google Drive files in **Next.js**.

OfficeMinutes   Feb 2024 - Present
- Develop a streamlined queueing system for course office hours for students to ask questions or form groups with **Next.js**, **Firebase**, **TypeScript**, and **Tailwind CSS**.

Pikmin-GPT   Jul 2024 - Aug 2024
- Created ChatGPT-inspired chatbot interface with personality of a Pikmin expert using **Next.js** and **NextAuth.js** user authentication; logged all prompts and responses in a **MongoDB** database.

SKILLS

Languages: TypeScript, JavaScript, Python, C, C++, HTML, CSS
Frameworks: React, React Native, Next.js, Redux, Tailwind CSS, Node.js, Express.js, Prisma ORM
Databases: MongoDB, Firebase, Google BigQuery
Cloud: GitHub, Google Cloud Platform, Google Apps Script, Looker Studio