Ian Kim

github.com/iansjk linkedin.com/in/iansjk

EXPERIENCE

• Soomo Learning Software Engineer Asheville, NC (Fully Remote)

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Nov 2020 - Present

- o Led front-end development using TypeScript + React, with full-stack development in Ruby on Rails and Next.js
- Orchestrated major tech stack modernization: migrated from Create React App, Webpacker, and CoffeeScript to TypeScript, Vite, and SWC, reducing build times by 4-10x
- o Developed and integrated AI chat component supporting OpenAI and Anthropic LLM platforms
- Led development team in implementing **WCAG 2.2 AA** compliance for accessibility improvements company-wide
- Improved user experience and performance by reducing bundle sizes by up to 65%

• Center for Aphasia and Related Disorders (CARD)

Chapel Hill, NC

Contract Software Engineer

Aug 2018 - Nov 2020

- Designed and developed an iPad app as part of a research study into client-directed cueing for aphasia using Ionic, HTML/CSS, and TypeScript.
- Participated in development and implementation of study protocol, resulting in increase of 29% accuracy at baseline to 79% accuracy at conclusion of study
- Created a command-line tool in **Python** using IBM's Watson **REST/Websocket** API to produce automated judgments of stroke survivors' speech intelligibility

• UNC-Chapel Hill Center for Cheminformatics Research (CECCR)

Chapel Hill, NC

Graduate Research Assistant

Jan 2012 - Jan 2016

- Developed Chembench (chembench.mml.unc.edu), a machine learning and drug discovery platform built using **Java** (**Tomcat**, **Struts**).
- Led a transition to using **Spring DI** and **Maven** for improved dependency management and maintainability.
- Developed ChemoText, a data mining platform for discovering connections using the NIH PubMed database, utilizing a **NoSQL** graph database that led to speedups of >90% over existing SQL.

PROJECTS

Sanity;Gone

sanitygone.help

Lead Developer

July 2021 – Present

- Game strategy site initially developed with Gatsby and Contentful CMS using a Jamstack architecture, hosted on Netlify
- Successfully migrated to Next.js and Vercel hosting to improve performance and developer experience
- o Created a game database site using Astro with React and Svelte components, styled with Tailwind CSS
- o Collaborated with UX designers to implement pixel-perfect interfaces from Figma designs into production code

SKILLS

- Frontend: JavaScript/TypeScript, React, HTML/CSS, Next.js, Sass, Svelte, Tailwind CSS, Astro, Gatsby
- Build Tools: Vite, Webpack, SWC, Babel
- Backend & Tools: Ruby on Rails, Node.js, Git, REST APIs, WebSocket, RDBMSes, Figma, Sketch
- Infrastructure: Vercel, Netlify, Heroku, AWS
- Foreign Languages: Japanese, Korean

EDUCATION

• University of North Carolina at Chapel Hill

Chapel Hill, NC

B.S. Computer Science with Honors, B.A. Linguistics (Phi Beta Kappa, GPA: 3.7)

August 2009 – May 2013

• University of North Carolina at Chapel Hill

Chapel Hill, NC

M.S. Speech-Language Pathology

2016 - 2018

INTERESTS

Linguistics, foreign language learning, cooking, calligraphy