Ian Kim

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EDUCATION

- **University of North Carolina at Chapel Hill** — Chapel Hill, NC
  M.S. Speech-Language Pathology, CCC-SLP — *August 2016 – Dec 2018*

- **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*

EXPERIENCE

- **Soomo Learning** — Asheville, NC (Fully Remote)
  Software Engineer — *Nov 2020 - Present*
  - Primarily front-end development in **TypeScript + React**, with full-stack development using **Ruby on Rails**
  - Led the development team in researching and implementing **accessibility** improvements company-wide
  - Proactively improved user experience and performance by reducing bundle sizes by up to **65%**
  - Spearheaded modernization of developer tooling, resulting in **over 10x** speedups in compile and HMR times

- **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.

- **Social Welfare and Health Informatics Group (SWHIG)** — Chapel Hill, NC
  Undergraduate Research Assistant — *Sep 2011 - May 2012*
  - Curated and prepared datasets for the Management Assistance website for North Carolina social welfare programs (ssw.unc.edu/ma) using **SAS** and **SQL**.

- **BlackBerry, Ltd.** — Irving, TX
  Java Developer, Student — *May 2011 - Aug 2011*
  - Designed and created Confluence Wiki plugins in **Java** to extend internal wiki functionality.
  - Created a project progress tracking website using **Python (Django)**, **Postgres**, and Web technologies (**HTML, CSS, jQuery**) to enable more effective collaboration among the Mechanical Engineering team.

SKILLS

- **Languages**: **JavaScript/TypeScript, HTML/CSS**, Ruby, Java, Python, SQL, R
- **Technologies**: **Git, Rails**, Flask, Django, GitHub, Heroku, AWS, Ionic, React Native
- **Operating Systems**: Windows, Linux, MacOS
- **Foreign Languages**: Japanese, Korean