Ian Kim

github.com/iansjk

Email : iansjk@gmail.com

Mobile : +1-919-357-4539

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

- **Center for Aphasia and Related Disorders (CARD)** — Chapel Hill, NC
  Contract Software Engineer — *Aug 2018 - Present*
  - 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.

- **Cheshire Speech and Voice / Wake County Public Schools** — Raleigh, NC
  Speech-Language Pathologist Clinical Fellow — *May 2019 – Jun 2020*
  - Independently developed and carried out speech-language treatment as part of Individualized Education Plans for students in special education.
  - Conducted screenings and evaluations of students to identify those with special communication needs.
  - Collaborated with parents, teachers, and administrators to identify, troubleshoot, and address academic and functional difficulties.

- **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**: **Java, Python, HTML/CSS, SQL, JavaScript**, TypeScript, R
- **Technologies**: **Git, jQuery, Flask**, Django, Travis CI, Heroku, AWS, Ionic, React Native
- **Operating Systems**: Windows, Linux, Mac OS X
- **Foreign Languages**: Japanese, Korean