

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

- **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

PUBLICATIONS

- Haley, K. L., Cunningham, K. T., **Kim, I.**, & Shafer, J. S. (2019). Autonomy-supportive treatment for acquired apraxia of speech: feasibility and therapeutic effect. *Aphasiology*, 1-21.
- Capuzzi, S. J., **Kim, I. S. J.**, Lam, W. I., Thornton, T. E., Muratov, E. N., Pozefsky, D., & Tropsha, A. (2017). Chembench: a publicly accessible, integrated cheminformatics portal. *Journal of chemical information and modeling*, 57(2), 105-108.