Mengmei Kate Li

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EDUCATION

University of Southern California, Los Angeles, CA

Master of Science in Computer Science (MSCS) General Track   Expected May 2023

Emory University, Atlanta, GA

Bachelor of Science in Computer Science (with Honors), Applied Mathematics Double Major   May 2019

GPA: 3.8/4.0   Dean's List

SELECTED TECHNICAL SKILLS

• Java, Python, C, HTML, PHP, JavaScript, Objective C, Swift, Linux, Matlab, R, ROBOTC, Arduino

• DBMS(MySQL, PL/SQL, Oracle, PostgreSQL), MongoDB, JDBC

WORK & INTERNSHIP EXPERIENCE

Oracle Corporation, Server Globalization Technology Database Development and Testing Team, Beijing, China

Software Development Engineer Summer Intern   Summer 2018

• Looked for and fixed bugs in Oracle Database testing script tool 'OraTst' and enhanced several test frameworks, delivering product's globalization support.

• Technical skills acquired: Oracle 12c DBMS, PL/SQL, RDBMS NLS (National-Language-Support) Test Framework, ATD (Auto-Translate-Data) Test Framework, Linux

Neusoft Corporation, Advanced Product Development Division, Shenyang, China

iOS Developer Summer Intern   Summer 2017

•. Assisted the division in "SaCa Neusoft", a Mobile Enterprise Social Application, in project scope, planning, execution, improvement and close of the project. Designed and made multiple interfaces of the App.

Emory University Math and Computer Science Department, Atlanta, GA

Data Structure and Algorithms Course Teacher Assistant   Fall 2017-May 2019

•. Answer questions, develop auto-grading scripts to automate assignment marking, give feedback to instructors

PUBLICATIONS & RESEARCH EXPERIENCE

Meta-Semantic Representation for Early Detection of Alzheimer's Disease. Choi, J. D.; Li, M.; Goldstein, F.; and Hajjar, I. *In Proceedings of the ACL Workshop on Designing Meaning Representations, of DMR'19, 2019.*

• Member of **Emory Natural Language Processing Group**, Computer Science Department, Emory University

• Collaborate with Emory School of Medicine, detect early stages of Alzheimer's Disease that standard brain cognitive exam fails to detect by analyzing patients' speech patterns. Create annotation guidelines, perform statistical, deep learning and machine learning models. Work resulted in my undergraduate honor thesis dissertation.

TECHNICAL PROJECTS

Group

Pump it Up – participated in a DrivenData competition which posed a classification problem of predicting whether water pumps for Tanzanian wells are functional or not. Developed solution using Data Mining techniques including data cleaning and various classifiers. By bagging the results of random forest, gradient boost and decision tree, our team achieved an excellent prediction accuracy 0.8179.

Individual

Amazon Review Analysis and Classification - predict the star ratings by analyzing text and temporal information of 100000 Amazon reviews using big data knowledge like formatting, creating word vectors (PCA), sparse representations, MapReduce, Spark, feature selection and hyperparameter tuning, clustering (k-means, t-SNE).

It's Water Time - A original iOS mobile App designed to track and remind water intake with individual customization.