Cheng Wang

San Mateo, CA   cwaf17@gmail.com

Education

Massachusetts Institute of Technology (MIT)   Jun. 2018, Cambridge, MA

B.S. in Electrical Engineering & Computer Science, Minor in Mathematics   **GPA:** 4.4/5.0

Related Courses: Design & Analysis of Algorithms, Machine Learning, Computer Vision, Complexity Theory

Experience

IXL Learning, Software Engineer   Dec. 2020 - Present, San Mateo, CA

- Develop new features for Vocabulary.com. Features include: allowing administrators to edit users' purchase orders via a user interface, adding a "word family" for each word searched on the dictionary, creating email templates that are automatically sent to users (welcome email, start free trial email, end of trial email, boost user engagement email, etc.)
- Fix bugs for Vocabulary.com. Bugs include: timezone inconsistencies between user profile and database, Zendesk widget issues, unit tests, preventing users from creating word lists with bad words, etc.
- Maintain and support the Vocabulary.com dictionary by adding/removing/updating words and definitions in MongoDB database.

Johnson & Johnson, Software Engineer   Apr. 2019 - Jun. 2020, Raritan, NJ

- Developed the J&J Interview Examination Web Application for potential hires. Supports administrator and test taker accounts. Administrators create the exam via user interface, and the potential hires login via test account to take the exam.
- Designed and implemented all frontend pages, creating user accounts for test takers and administrators, creating a multiple choice section with questions and answers, a coding section with an embedded IDE, creating angular services and REST APIs to connect to the backend Flask Server and SQLite database.
- Developed a job monitoring application called Aggrify by creating three different reports - Heatmap, Cockpit, and Operations. Creating these reports involved retrieving data from an Oracle Database, transforming it on a flask server, passing it to the frontend via RESTful API endpoints, and displaying this data on frontend components using HTML, CSS, Typescript, and Angular.
- Support the Aggrify application by holding Office Hours and regular meetings to answer business-related questions and debug technical issues.

M*Modal, Software Engineer   Oct. 2018 - Mar. 2019, Pittsburgh, PA

- Worked with an agile team to support and develop the NLP device Fluency Direct (FD). FD specializes in picking up medical dictation and streamlines the documentation process in doctor's offices.
- Corrected bugs and wrote unit tests in C# for issues such as disconnections between client device and server, differences of software between Windows and Mac, and speed and dictation issues within FD.

Skills and Interests

Computer: Python, Java, HTML, CSS, Javascript / Typescript, Angular, SQL, MongoDB, S3

Hobbies: Tutoring, Guitar, Podcasts

Personal Website: www.chenw.io