EMILY ZHANG

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WORK EXPERIENCE

Software Engineer - MEAN stack

TATA CONSULTANCY SERVICES, JAN 2021 - NOW

- Developed full stack web applications using Angular and Node
- Built REST API backend applications with Express servers and MongoDB
- Built user systems that feature password encryption and token-based user authentication using JWT (JSON Web Tokens)
- Styled frontend applications with Bootstrap
- Utilized Socket.io to implement a real-time chat system

PROJECTS

OmwanaThrive: A Neonatal Survival App - Mobile Application

SANTA CLARA UNIVERSITY, SEPT 2019 - JUN 2020

- Developed a mobile application with React Native that educates rural Ugandan mothers on newborn baby care
- Implemented admin user system with login and sign up functionalities
- Designed wireframes of message and database portals
- Built reactive views with expandable tabs and CRUD features, using React Native AsyncStorage as the data store

Engineering Lab Evaluation System - Web Application

SANTA CLARA UNIVERSITY, SEPT - DEC 2019

- Developed an evaluation system with Ruby on Rails that enables students to give anonymous feedback via a unique link sent to their emails
- Implemented email sending and scheduling using SendGrid
- Deployed system to Heroku and designed conceptual models to reflect school image and official color palette

Dr Recycle - Facebook Messenger Bot

HACK FOR HUMANITY WINNER, MAR 2019

- Built a FB messenger bot using Python that provides information on how to recycle something based on given user input (text or image query)
- Enhanced human-likeness of bot by implementing typing indicator and mark as read features and designing a friendly bot logo

Taste the Waste - Mobile Application

SANTA CLARA UNIVERSITY, JAN - MAR 2019

- Developed a mobile application using Flutter that notifies students of free food opportunities via push notifications
- Designed UI wireframe and logo using Adobe Illustrator

SKILLS

Programming:

Angular, Express, Node, React Native, Ruby on Rails, JavaScript ES6, Python, Java, JDBC, C, HTML/CSS, GraphQL, MongoDB, MySQL, Git, Linux, Docker

Software:

Adobe Photoshop, Illustrator
InDesign, Premiere, Lightroom

Language:

Chinese (fluent), Japanese (proficient)

EDUCATION

B.S. in Web Design and Engineering

Santa Clara University
Jan 2019 - Jul 2020
GPA: 3.92 (Dean's List)

A.S. in Computer Science

Foothill College
Jan 2017 - Dec 2018
GPA: 3.92 (With High Honors)

Relevant Coursework:

Software Engineering
Senior Design Project I, II, & III
Web Programming I & II
Web Information Management
Web Infrastructure
Web Usability
Python Programming I & II
Software Design in Java
Adv Data Structures/Algorithms