

# EMILY ZHANG

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liwzhang on GitHub/LinkedIn

## 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 an admin user system with login and sign up functionality
- Designed a wireframe of the messaging and database portals
- Built a reactive messages portal with expandable tabs and CRUD features using AsyncStorage

### Engineering Lab Evaluation System - Web Application

SANTA CLARA UNIVERSITY, SEPT - DEC 2019

- Developed a web evaluation system with Ruby on Rails where students can give anonymous feedback via a link
- Added an email feature using SendGrid so emails can be sent and scheduled
- Deployed the system to Heroku and designed conceptual models to reflect the school's image and official color palette

### Dr Recycle - Facebook Messenger Bot

HACK FOR HUMANITY WINNER, MAR 2019

- Created a messenger bot using Python that provides information on how to recycle something based on given user input (text or image query)
- Added a typing indicator and mark as read feature to make the bot seem more human-like and designed the 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 the UI wireframe and logo using Adobe Illustrator

## WORK EXPERIENCE

### Web Specialist and Technical Support

SHAREWORLD LEARNING CENTER, AUG 2016 - MAR 2020

- Improved website performance and speed by 2x with web optimization
- Updated website marketing tactics with a 20% increase in email subscribers
- Engaged in the development and implementation of a new School Management System (SMS)
- Designed ads, flyers, graphics, promotional materials for the website
- Oversaw the school's bimonthly education seminars

## SKILLS

### Programming:

Python, React Native, JavaScript ES6,  
Ruby on Rails, Node, JSON, Java, C,  
HTML/CSS, MySQL, Git, Linux, Docker

### Software:

Adobe Photoshop, Illustrator  
InDesign, Premiere, Lightroom

### Languages:

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  
Web Programming I & II  
Web Information Management  
Web Infrastructure  
Web Usability  
Python Programming I & II  
Software Design in Java  
Adv Data Structures/Algorithms