EMILY ZHANG

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WORK EXPERIENCE

Junior Software Engineer II - *MOEBIUS SOLUTIONS*   MAY 2021 - NOW
- Developed a Navy planning tool using React and Flask in an Agile Scrum setting
- Implemented features across the full stack, fixed bugs, and tested with Pytest
- Integrated a data transfer microservice that uses Kafka into the application
- Managed services running on a Docker development environment
- Contributed to AutoInvent - a public collection of libraries that automatically generates a GraphQL API and a complete UI from data

Software Engineer - *TATA CONSULTANCY SERVICES*   JAN 2021 - MAY 2021
- 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 App - *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

Lab Evaluation System - *SANTA CLARA UNIVERSITY*   SEPT 2019 - 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 - *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

SKILLS

Programming Languages:

JavaScript/TypeScript, Python, GraphQL, Java, C, Ruby, HTML/CSS

Frameworks & Libraries:

React, Redux, RTK Query, Flask, SQLAlchemy, Angular, Ruby on Rails, Node, Express

Other:

Git, Docker, Linux, PostgreSQL, MySQL, MongoDB, Pytest, Jira, Postman, REST API

Foreign Languages:

Chinese (fluent), Japanese (proficient)

CERTIFICATION

CompTIA Linux+ Certification
CompTIA Security+ Certification

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)