Cynthia Lu Full Stack Engineer

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SKILLS

JavaScript

Python

HTML

CSS

Flask

Express

React

Redux

SQL

PostgreSQL

C++

PROJECTS

Warbler

A Twitter Mock

Flask backend,
PostgreSQL database,
Flask-SQLAlchemy
ORM

Jobly

Job lists and
Company
Information in One
Place

Express backend,
PostgreSQL database,
React frontend

EXPERIENCE

The Relish, CA — Software Engineer Intern

APRIL 2019 - MAY 2019

CMS - React/Redux frontend, Firebase backend

- Reduce initial load time by **33%** by lazily loading data. Instead of loading all data at once, load only data for the past 30 days.
- Reduce travel to database by utilizing redux store. Check if required data is already in redux store before making request to database.
- Update CRUD functions for components. After making request to update database, update redux store at the same time.
- Wrote Jest test to improve coverage by **50%**.

AECOM, CA — Civil Engineer (Structural)

APRIL 2016 - JANUARY 2019

San Francisco Bay Area Rapid Transit District (BART), Hayward Maintenance Complex Central Warehouse, Hayward, CA

- Improved workflow by writing VBA functions to automate fetching and filtering data from analysis result.
- Coordinated between different disciplines to identify problems ahead of schedule in order to ensure deadlines are met.
- Collaborated with clients to determine their needs and incorporated client's feedback in final solution.

EDUCATION

Rithm School, CA — Full Stack Software Engineering Immersive
JANUARY 2019 - MAY 2019

University of California, Berkeley, CA — M.S. Civil Engineering
SEPTEMBER 2014 - MAY 2015

National Taiwan University, Taiwan — B.S. Civil Engineering
SEPTEMBER 2010 - JUNE 2014

Relevant courses: Structure and Interpretation of Computer Programs, Computer Programing, Object-oriented Programming