

# Cynthia Lu Full Stack Engineer



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## SKILLS

JavaScript  
Python  
React  
Redux  
Flask  
Express  
SQL  
PostgreSQL  
HTML  
CSS  
C++

## PROJECTS

### Warbler

A Twitter Mock

[Link to site](#)

Flask,  
PostgreSQL,  
Flask-SQLAlchemy

### Jobly

Job lists and  
Company  
Information in One  
Place

[Link to site](#)

Express,  
PostgreSQL,  
React

## EXPERIENCE

### The Relish, CA — Software Engineer Intern

APRIL 2019 - MAY 2019

CMS - React/Redux frontend, Firebase backend

- Reduced initial load time by **33%** by implementing lazy-loading and eliminating transferring duplicate data.
- Reduced travel to database by utilizing redux store.
- Updated CRUD functions for components to work with data in Redux store and integrated redux store updates with database requests.
- 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

- Wrote VBA functions to automate fetching and filtering structural analysis output data improving calculation efficiency.
- Coordinated between different disciplines to solve design problems ahead of schedule and ensure deadlines are met.
- Collaborated with clients to develop a clear scope of work and ensure all their needs are incorporated into final design.

## 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

Relevant courses:

Structure and Interpretation of Computer Programs(CS 61A)

### National Taiwan University, Taiwan — B.S. Civil Engineering

SEPTEMBER 2010 - JUNE 2014

Relevant courses:

Computer Programing, Object-oriented Programming