

Cynthia Lu Full Stack Engineer



(732)861-6642



ivyc8192@gmail.com



github.com/ivyc81



cynthia-lu.com



linkedin.com/in/ivyc8192

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 page load time by minimizing Firebase database requests 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 tests 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 Programming, Object-oriented Programming