

Wai Yan Phyo (Justin)

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Education

University of California, Berkeley *GPA: 3.66*

Expected December 2021

- Electrical Engineering & Computer Science Undergraduate
- Relevant Courses
 - Data Structures | Computer Security | Parallel Programming | Efficient Algorithms and Intractable Problems | Operating Systems and System Programming | Machine Structures

Skill

Languages

- Python | JavaScript | Java | C | C++ | HTML | CSS | SQL | Ruby | Scheme

Frameworks/Tools

- React.js | Django | Amazon Web Services | Git | Ruby on Rails | Bootstrap

Experience

Software Engineer Intern

May 2021 – August 2021

Rimble (Berkeley, CA)

- Designed and implemented a WebSocket which allows clients to receive streams of live processed data periodically from the machine learning team without having to make multiple API calls
- Designed and implemented a feature that allows users to make custom queries from a database through query parameters in REST API calls
- Designed and implemented a Lambda script to automate the testing of REST API calls to check if all endpoints are working as intended and the response data is not corrupted
- Developed in Python and AWS services such as Lambda, DynamoDB, APIGateway, and S3

Academic Intern

August 2019 - December 2019

University of California, Berkeley

- Assist CS 61A: Structure and Interpretation of Computer Programs students with their homework, labs, projects, or any questions they have related to the class materials

Academic Coach

September 2018 - June 2019

TRiO Upward Bound

Mount San Antonio College, Walnut, CA

- Mentored first generation, underrepresented high school students to succeed in higher education
- Planned informational events about the education system for the parents of the students

Project

RoomPals

- Designed and programmed a web app to keep track of chore lists among a group of roommates
 - Built upon Django's MVT and deployed on Heroku
 - Utilizes sqlite3 on development and PostgreSQL on Heroku
- Users can assign chores to their roommates who are in the same apartment
- Users can create, join, or leave apartments at any given time

Beauty and Joy of Computing (BJC) Teacher Tracker

- Contributes to the Ruby on Rails application which tracks the system of teachers/professors who run the BJC program, and provides data on the courses taught and participating schools
- Designed and implemented admin/user log in and authentication through Google's OAuth2.0
- Designed and implemented the ability for admins to accept/deny/delete applications from teachers