

# Hector Chu

Full Stack Software Engineer

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## EXPERIENCE

### Software Engineer Intern @ Rithm Student Information Systems

MAR 2022 - APR 2022 // Remote

- Designed and implemented **Fernet**-encrypted data models to store and visualize bootcamp graduate outcomes
- Improved user navigation experience by implementing breadcrumb functionality into **Django** templates
- Conducted daily standups utilizing **Agile development** with teammates during multiple 1-week sprints
- Wrote tests via **unittest** to maintain 100% test coverage and submitted PRs that were merged into production codebase
- Provided documentation for MVP project to communicate progress and suggest future optimizations for other engineers

### Lead Physical Therapy Aide @ Ocean Beach Physical Therapy

FEB 2021 - NOV 2021 // San Francisco, CA

OTHER POSITIONS HELD: *Physical Therapy Aide, Physical Therapy Intern*

- Trained and supervised 5 aides and 8 interns in completing administrative duties, clinical exercises, and modalities
- Maintained clinic technology by fixing broken PCs and installing new equipment
- Expanded patient population demographics by providing translations for Cantonese speakers

## PROJECTS

**Warbler** - a Twitter clone built using **Python**, **Flask**, and **PostgreSQL**.  
[Demo](#) | [Github](#)

- Added authentication/authorization to RESTful API routes
- Protected passwords in database with **Bcrypt** hashing function
- Managed database interactions through Python ORM **SQLAlchemy**
- Added documentation and automated testing via **unittest**

**Jobly** - a job application site built using **React** on the frontend. Backend is built with **Express** and **PostgreSQL**. [Demo](#) | [GitHub](#)

- Added middleware for JWT authentication and user authorization
- Built Jobly backend utilizing **Test-Driven Development** practices
- Preserved user session by caching credentials in local storage
- Added documentation and automated testing via **Jest**

## SKILLS

**Web Languages & Technologies:**  
JavaScript, TypeScript, HTML, CSS, Node.js

**Programming Languages:**  
Python

**Libraries/Frameworks:**  
React, Django, Express.js, Flask, Jest, Bootstrap, jQuery, unittest

**Database:**  
PostgreSQL

## EDUCATION

### Rithm School

JAN 2022 - APR 2022

// Remote

Full-Stack Web Development

### University of California, Davis

SEP 2015 - AUG 2019

// Davis, CA

B.S. in Pharmaceutical Chemistry

Minor in Computer Science

GPA: 3.783

## LEADERSHIP/ VOLUNTEERING

### SFGH Inpatient PT Intern

APR 2021 - JUL 2021

// San Francisco, CA

Volunteered at the ICU to support physical therapists during treatment