

Christopher Chen

Full Stack Software Engineer

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TECHNICAL SKILLS

Languages: Javascript, TypeScript, Python, HTML, CSS

Frontend Technologies: React, jQuery, Axios, CSS Bootstrap

Backend Technologies: Express, Node, Flask, SQLAlchemy, PostgreSQL, AWS, Amazon S3

Other Tools: Jest, unittest, doctest, VS Code, Git, Github, Agile development

EXPERIENCE

Volunteer Developer

Apr 2023 – Present

Live Music Project, livemusicproject.org

Remote

- Implemented a-z navigation buttons to improve user search by working with Django models, views, and templating for composer, performer, and event entities.
- Utilized Docker terminal and Python Debugger to debug and fix a timezone error.
- Work with the head of product to organize sprints and assign bugs and features in ZenHub.

Software Engineer Intern

Dec 2022 – Jan 2023

Rithm School

San Francisco, CA

- Built a native iOS mobile app for the homepage which interfaced with the backend API, in a 1-week turnaround, by selecting and leveraging a new language, Flutter Dart.
- Wrote tests and debugged issues, submitting 3 pull requests to resolve tickets assigned on GitHub through planning poker, Git branching, and working in coding sprints.

TECHNICAL PROJECTS

ShareBnB: AirBnB clone for rental listings with photos and bookings

GitHub repo

- Built a frontend in React TypeScript that interfaces with an API built in Python Flask with token-protected routes that queries the database through ORM toolkit SQLAlchemy.
- Designed and implemented a PostgreSQL database that handles user logins and rental listings with Amazon S3 image hosting, which are fetched by the backend via Python Boto3.

Warbler: Twitter clone for liking posts and following other users

GitHub repo

- Implemented features, including security protected routes and middleware, through pair programming and coding sprints for a 3-day turnaround.
- Wrote unit and integration tests with 90% coverage of the codebase using Python unittest.

ADDITIONAL WORK EXPERIENCE

Research Associate

Jan 2021 – May 2022

TRex Bio

South San Francisco, CA

Life Science Research Professional

Feb 2018 – Dec 2020

Stanford University

Stanford, CA

- Analyzed large datasets of millions of single-cell measurements in FlowJo analysis software and generated data analysis reports and data visualization charts through Graphpad Prism.
- Published in scientific journals and presented in lab meetings and poster sessions.

EDUCATION

Rithm School

Sept 2022 – Feb 2023

Full Stack Web Development Bootcamp

San Francisco, CA

University of California, Berkeley

Aug 2013 – May 2017

B.S. Degree in Chemical Biology

Berkeley, CA