

Christopher Chen

Software Engineer

New York, NY | (626) 272-5911 | clchen.arcadia@gmail.com
[linkedin.com/in/christopherlichen](https://www.linkedin.com/in/christopherlichen) | github.com/clchen-arcadia

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

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.
- Researched sections of the Django codebase including Mixins and data models and presented them to the team to improve familiarity with the technologies used.

TECHNICAL PROJECTS

ShareBnB: AirBnB clone for rental listings with photos and bookings

GitHub repo

- Built a backend API in Python Flask with token-protected routes that interfaces with the database through object-relational mapping toolkit SQLAlchemy with a React frontend.
- 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.
- Worked with Amazon Web Service S3 buckets to serve files in deployment.

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 for the views and data models of the web application with 90% coverage of the codebase using Python unittest.
- Utilized DBMS PSQL and ORM SQLAlchemy to model data and create relational data tables.

ADDITIONAL WORK EXPERIENCE

Research Associate

Jan 2021 – May 2022

TRex Bio

South San Francisco, CA

- Analyzed large datasets of millions of single-cell measurements in FlowJo analysis software.
- Generated data analysis reports and data visualization charts through Graphpad Prism.

Life Science Research Professional

Feb 2018 – Dec 2020

Stanford Cardiovascular Institute

Stanford, CA

- Published in scientific journals by collaborating with other scientists to perform experiments.
- Presented in multiple lab meetings and poster sessions to communicate work and results.

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