

Silu Hu

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TECHNICAL SKILLS

Languages - JavaScript, Python, SQL, PostgreSQL, HTML, CSS, TypeScript

Libraries - React, React Testing Library, jQuery, Bootstrap

Frameworks / Tools - Node, Express, Jest, Django, Flask, SQLAlchemy, unittest, Git, Github, Amazon S3

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern

November 2023 – December 2023

Rithm School

New York, NY

- Implemented an Announcement app within the Rithm School Student Information System(SIS) code base built by Django which is a great strongly opinionated library accelerates development, streamlines pattern matching, and ensures future scalability, allowing targeted announcements visible for specific cohorts or all cohorts of students, enhancing communication and engagement for the community.
- Designed and created the Announcement's app model incorporating start and end dates, workflow states, cohort associations, multimedia support, and a dynamic user-friendly interface by doing research on the existing code base and optimizing between a couple of solutions leveraging Django's ORM.
- Contributed to the students pairing features of the Django administration interface with a stable roommate algorithm and with a drag-and-drop interactive interface using a JavaScript library Dragula.

TECHNICAL PROJECTS

ShareBnB (Airbnb Clone)

[Live Demo](#) | [Github](#)

- Integrated authentication with JSON Web Token and Express.js middlewares which allow authenticated users to post properties while unauthenticated users can search properties with a powerful search feature.
- Employed Amazon S3 for storing listing photos, optimizing storage management by utilizing cloud-based storage solutions instead of traditional database storage.
- Utilized Sequelize, a robust ORM, to simplify and streamline database interactions, ensuring efficient model management and enhancing data integrity while avoiding the need for manual SQL queries.

Warbler (Twitter Clone)

[Live Demo](#) | [Github](#)

- Employed robust security measures, including password hashing with "bcrypt", user authentication, CSRF protection, and referential integrity, to ensure the confidentiality and integrity of data in the app.
- Created a robust "like" feature utilizing Flask and SQLAlchemy ORM, enabling users to seamlessly track their liked/saved messages associated with their profiles.

ADDITIONAL WORK EXPERIENCE

Community Manager & Web Development Teaching Assistant

January 2016 – September 2023

Research Foundation of CUNY

New York, NY

- Coordinated with marketing, communications and events for a program under the Research Foundation of CUNY for 188 college students. Monitored and reported on feedback for students and 80 industry volunteers who actively participated in coaching and providing real-world insights to students.
- Mentored 6 student project teams throughout a semester on web development at a CUNY college wide full-stack coding bootcamp, assisting them successfully complete their projects using React, Express.js and PostgreSQL, Sequelize and showcased at a industry tech demo event in 2022 and 2023..

Data Analyst

October 2015 – April 2016

Deutsche Bank

New York, NY

- Developed and delivered models and reported to stakeholders, providing insight and interpretation of data, to support business decisions. Created models and reports providing interpretation and insight into business data and processes.

EDUCATION

Rithm School Full Stack Web Development Bootcamp

2024