CRYSTAL TRAN

Durham, NC | +1 (919)-699-0967 | c.t.tran95@gmail.com | LinkedIn | Github | Website

TECHNICAL SKILLS

Languages - Python, Javascript, Typescript, SQL, PostgreSQL, CSS, SASS, HTML
Libraries - React, React Testing Library, jQuery, SQLAlchemy
Frameworks / Tools - React, Node.js, Express, Flask, Django, Vitest, Jest, Jasmine, unittest, Git, AWS S3

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern   February 2024
Rithm School   *Remote Work*
- Developed an announcement application using **Django** context processors while maintaining 99% test coverage by writing new unit and integration tests
- Automated a student pairing application based on user preferences using Django's generic relationships, the stable roommate algorithm, and **jQuery** to create an interactive drag-and-drop form
- Designed relational database schemas and created admin panels and front end interfaces
- Participated in daily stand-ups and worked on an 81,000 line codebase involving agile workflow, pull requests, git merge conflicts, and debugging

TECHNICAL PROJECTS

Warbler   Live Demo | Github
- Engineered a security-focused Twitter clone application using **Python**, **Flask**, **PostgreSQL** in the backend for seamless form validation and RESTful API routing
- Addressed security vulnerabilities in a legacy codebase by implementing CSRF tokens and Flask session to protect user-specific routes

ShareBnB   Live Demo | Github
- Launched a full stack Airbnb clone leveraging **AWS S3** for cloud storage, **Flask** for server-side routing, and its integration with Jinja for accelerated development
- Generated a user-friendly and responsive interface with **Bootstrap**

Jobly   Live Demo | Github
- Built a full stack job board site utilizing **React** for modular UI components, and **Express** and **Node.js** for middleware and server-side routing
- Designed a RESTful JSON API backend with Express Router while employing test driven development principles

ADDITIONAL WORK EXPERIENCE

Clinical Laboratory Associate II   March 2022 - September 2023
Grail   Durham, NC
- Collaborated with software engineers to improve a LIMS application responsible for tracking a sample's lifetime
- Tested LIMs software in a test development and production environment

Manufacturing Associate IV   June 2019 - March 2022
Biogen   Morrisiville, NC
- Oversaw a new drug campaign which involved water batching, testing automations, scheduling, supervising daily operations, stand ups, troubleshooting quality issues, and creating SOPs and BPRs
- Trained operators on workflow and manufacturing processes

EDUCATION

Rithm School   November 2023 - March 2024

Full Stack Web Development Bootcamp

Appalachian State University   September 2014 - May 2019

Bachelors of Science in Cellular / Molecular Biology, Minor in Chemistry