

Lawrence Lin

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EDUCATION

Stony Brook University

Master of Science in Computer Science

Bachelor of Science in Computer Science (GPA: 3.85)

Stony Brook, NY

Expected Dec. 2022

Expected Dec. 2021

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML5, CSS3, GraphQL, Java, C, SQL (PostgreSQL), Swift

Libraries/Frameworks: React, Node.js/Express, React Native, Next.js, GatsbyJS, Redux, Vue, d3.js, Jest

Other Technologies: Git, Firebase, AWS (RDS/S3/Lambda), Figma, MongoDB, Linux, Docker, Android, iOS

EXPERIENCE

Incoming Software Engineer Intern

LinkedIn

Jan. 2022 – Apr. 2022

Sunnyvale, CA

- Machine Learning Infrastructure - Model Inference and Serving

Software Engineer Intern

IBM

May 2021 – Aug. 2021

Armonk, NY

- Developed an enterprise performance management platform for viewing and filtering large amounts of company data, using Vue.js, Vuex, Node.js, and Cloudant CouchDB
- Wrote unit tests for the user interface using Jest, increasing codebase test coverage by >30%
- Created RESTful endpoints to fetch data from and write data to CouchDB, and designed and implemented modular Vue components that interact with such endpoints

Sole Software Developer

Stony Brook University Department of Computer Science

Feb. 2021 – Present

Stony Brook, NY

- Develop a custom workflow management system with role-based access control to serve ~1500 faculty members and students, using TypeScript, React, Node.js, Python, and Firebase
- Implement the entire user interface, with an impersonation feature for a user to “act” as another user
- Design the system to ingest configurable JSON files to increase app flexibility and extensibility
- Build a PDF filler microservice capable of generating over 20 different PDFs with user-provided form data
- Utilize the Adobe Sign API to request signatures and create webhooks to programmatically progress workflow
- Set up a Dockerized email server and a cron job to send transactional emails to system users, such as when they are assigned a workflow or when they need to be notified of any outstanding workflows

Software Engineering Intern

Goodnation

Jun. 2020 – Aug. 2020

New York, NY

- Developed a new Ruby on Rails/PostgreSQL full stack monolith platform to connect donors with nonprofits
- Constructed the initial frontend using Bootstrap and ensured that it worked with the backend, passing all tests
- Migrated ~50% of the legacy app data to the new app with Kiba ETL by writing 10+ Rake tasks
- Increased test coverage by ~40% by writing 20+ unit tests using RSpec
- Learned database modeling, ERDs, MVC architecture, testing, and infrastructure development/deployment

FEATURED PROJECTS

OneCase | *TypeScript, React, React Native, Node.js/Express, PostgreSQL, GraphQL, AWS*

Mar. 2020 – Present

- Develop a Medium-like journaling platform focused on community building, available on both web and mobile
- Utilize PostgreSQL's Row-Level Security features to create a secure, granular authorization system

Spark | *TypeScript, React Native, Firebase, CircleCI*

Feb. 2021 – Present

- Work with 3 others to develop a campus-specific friend-making mobile app to connect >200 students together
- Devise a matchmaking algorithm based on previous matches, location, user interests, and user ratings

Curios | *TypeScript, React, Node.js/Express, GraphQL, PostgreSQL, Firebase*

Feb. 2020 – Present

- Work with a team of 7 students and 2 faculty members to develop a platform for student course scheduling and viewing, as well as a course-specific Q&A system for students to ask questions and instructors to answer them
- Spearhead project development by assigning tasks to teammates, helping members debug, and giving feedback