Jimmy Lam

Frontend Engineer

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WORK EXPERIENCE

TXIO Corp

Senior Frontend Engineer | June 2021 - current

- Leading the design and development of complex consumer-facing applications and internal UI component libraries using React and React Native combined with popular libraries such as D3.js react-table for neontra.ca
- Increased app performance by enforcing React and coding best practices as well as introducing libraries such as react-query that led to an 80% reduction in network calls.
- Increased code quality and maintainability by introducing end-to-end testing using Playwright to the release pipeline leading to a 50% decrease in production bugs.
- Collaborated with designer and project manager to translate designs into performant and responsive applications leading to beautiful user interfaces that has excellent user experience.
- Conducted code reviews and mentored junior developers leading to an increase in code quality and developer productivity across the team.

CERT Systems Inc

Systems Engineer Intern | May 2019 - May 2020

- Built a PyQt5 desktop application to automate the data collection workflow in an industrial plant, reducing hundreds of hours of manual data entry and analysis.
- Integrated multiple proprietary software along with common Python packages such as PyAutoGUI and matplotlib and a SQLite database to better aid in quality control while reducing human error.
- Source code: https://github.com/JL978/CO2-Conversion-Plant-Automation

OTHER PROJECTS

TikTok Channel | https://www.tiktok.com/@llama.dev

- Started and running a TikTok channel discussing and teaching front-end development topics that have reached over 20,000 followers

Crypto Transaction Fees Tracker | https://gastears.com

- Developed a Next.js application that visualizes crypto transactions cost across multiple blockchains that have attracted thousands of users.
- Analyzed and aggregated data from multiple blockchain explorer APIs to create a comprehensive dashboard view that presented the data in a user-friendly manner to help users better analyze their spending activities.
- Designed and built the front-end UI and implemented an Express server API to handle large transactional datasets.

3D Tic Tac Toe Game | https://3dttt.netlify.app | https://github.com/JL978/3d-tic-tac-toe

- Created an interactive web-based 3D game using three.js, react-three-fiber, and Framer motion that have attracted hundreds of users

EDUCATION

Georgia Institute of Technology

Masters of Computer Science | Incoming class of 2023

University of Toronto

Bachelor of Applied Science and Engineering | Sept 2016 - June 2021 | 3.75/4.0 GPA

SKILLS

- **Languages:** Javascript, Typescript, HTML, CSS/SCSS, Python, Solidity, Java, SQL, Objective-C
- **Frameworks:** React, Next.js, React Native, Express, D3.js, three.js, Playwright, Jest, Angular
- **Tools:** Figma, Prisma, trpc, MongoDB, PostgreSQL, MySQL, Docker, AWS, Google Cloud, Postman, git, svn
- **Interests:** Cryptocurrency, NFTs, DeFi, smart contracts