William Tran

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Skills

Languages Python, TypeScript, JavaScript, Java, SQL, CSS3, HTML5
Technologies React, PostgreSQL, MongoDB, Redux, Node.js, Next.js, Redis, Spark, JUnit, Mockito, Jest, Git

Education

University of Waterloo *2019 - 2024*
Bachelor of Computer Science, Minor in Psychology

- President's Scholarship of Distinction
- Courses: Algorithms, Application Development, Databases, User Interfaces, Software Testing and Quality Assurance, Data-Intensive Distributed Computing, Operating Systems, Applied Cryptography

Experience

Elderado ⬀ *Sep 2023 - Present*
Founding Engineer *Toronto, ON*

- Led a team of 3 engineers to iterate upon an MVP and launch a **React** and **Node.js** web app that enables users to search a map of 1400+ senior care homes and filter them based on type, location, language, and services
- Re-architected codebase to integrate **Algolia** and **Google Cloud Platform** including Cloud Run for a server-less backend and Cloud SQL and Cloud Storage for efficient data retrieval
- Developed home editor tool that uses **Firebase Auth** to allow verified home managers to manage their own listing

BitGo *May - Aug 2022*
Software Engineering Intern *Palo Alto, CA*

- Developed API reference page using **React** and **Remix** to automatically fetch API endpoints from the codebase and display them to users with interactive snippets, simplifying the onboarding process for community developers
- Integrated support for new **cryptocurrency** features including self-stacking and pool-stacking for STX tokens

Jobox.ai *Aug - Dec 2021*
Software Engineering Intern *Palo Alto, CA*

- Built a pipeline using **Java** and **Redis** to automatically process incoming job requests from third-party vendors, handling **$25 000+** in revenue per month
- Created an activity dashboard with messaging components in **React** and **TypeScript** to drive user acquisition through a bonus pay program where users earn more upon completing a minimum number of jobs

University of Waterloo *Jan - Apr 2021*
Full-Stack Web Developer *Waterloo, ON*

- Automated aggregation of TA evaluations using **Python**, saving instructors up to **8 hours** per course
- Developed an interactive mapping tool with **JavaScript** and **jQuery** to enable professors to edit exam room layouts
- Reduced load times by **23%** on student management web app by batching redundant **PostgreSQL** queries

Projects

Marillac Place ⬀ *Sep - Dec 2023*
Technical Lead

- Directed 8 developers and co-ordinated with design and PM teams to create a gamified task-tracking web app for an NPO that provides support for homeless mothers and empowers them to seek new opportunities

Focus on Nature ⬀ *May - Aug 2023*
Technical Lead

- Managed a team of 6 developers in implementing and launching a camp booking web app for an NPO promoting youth summer camps, handling the registration of **7000+** campers per year