# William Tran

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## Skills

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|---|---|
| **Languages** | TypeScript, JavaScript, Python, Java, SQL, CSS3, HTML5 |
| **Technologies** | React, PostgreSQL, Redux, Hibernate, Remix, Next.js, Redis, JUnit, Mockito, Jest, Git |

## Education

**University of Waterloo**                                                                                                          *2019 - 2024*
*Bachelor of Computer Science*

- President's Scholarship of Distinction
- Term Dean's Honors List
- Coursework: Algorithms, Database Systems, User Interfaces, Software Testing, Operating Systems

## Experience

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

- Developed REST APIs and internal CLI tools using **TypeScript** to streamline support resolution process
- Built **React** components using **Remix** hooks to automatically fetch and display API docs and onboard new developers
- Implemented support for new **cryptocurrency** features including STX stacking contracts

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

- Built REST APIs using **Java** and **Redis** to allow customers to submit job requests, adding **$25 000+** in revenue per month
- Created a **React** dashboard in **TypeScript** to track users' progress in bonus criteria as part of guaranteed pay program
- Developed messaging components using **React** and **Redux** to keep users updated on the status of their jobs

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

- Reduced page load times by **23%** by batching and eliminating redundant API calls and **PostgreSQL** queries
- Saved instructors up to **8 hours** per course by replacing manual data entry with automated TA evaluation process
- Created an interactive mapping tool with **JS** and **jQuery** allowing professors to edit exam room layouts

**University of Waterloo**                                                                                                          *Jun - Aug 2020*
*Software Developer*                                                                                                 *Waterloo, ON*

- Created a **React Native** app with **Redux** and **Firebase** for students to find nearby events and join chat rooms

## Extracurriculars

**UW Blueprint - Canadian Children's Book Centre**                                                       *May 2022 - Present*
*Software Developer*

- Reduced query time by **36%** when searching and filtering book reviews by optimizing **PostgreSQL** relations and queries
- Implemented endpoints in **TypeScript** along with corresponding **React** modals to add and remove book attributes

**UW CS Club**                                                                                                                       *Jan 2021 - Present*
*Web Developer & Event Organizer*

- Created responsive screens and components using **React** and **TypeScript** as part of complete website overhaul

## Projects

**Flash Notes**

- Created a web app with **JS** and **Node.js** that uses **Google NL API** to generate flashcards and questions from text

**Course Match**

- Built a **React** and **Node.js** app to parses transcripts and automatically add students to class-specific Discord channels