

Jason Truong

(647) 904-5812 | jason.truong@torontomu.ca | jason-truong.com | LinkedIn: jasonn-truong | Github: jasonntruong | Toronto, ON

Education

Toronto Metropolitan University (formerly Ryerson)

Bachelors of Science (Honours) in Computer Science - GPA: 4.12 / 4.33 - Dean's List

Toronto, ON

Sept 2020 - Apr 2025

Programming Skills

Languages: TypeScript, Java, Python, Dart, C, C++, JavaScript, SQL, HTML/CSS

Technologies: React Native, ReactJS, Flutter, Vue.js, Tailwind, .NET, Node.js, jQuery, Flask, Selenium, OpenCV, TensorFlow Lite

Tools: AWS SQS, AWS S3, Git, Android, Docker, Linux, Arduino, Google Cloud, Jira, Bitbucket, Cypress, CircleCI

Experience

Junior Software Developer Intern

GetQuorum

Toronto, ON

May 2023 - Present

- Optimized **CircleCI CI/CD** pipeline by decoupling and distributing **3000+** tests across **4** parallel processing environments, resulting in **200%** faster average **end-to-end test** time and faster feedback loops
- Developing **JOI validation schemas** and **Vuetify** text field rules to ensure data entry quality for the **SQL** database
- Technologies:** Vue.js, JavaScript, Vuetify, ExpressJS, AWS SQS and S3, Twilio, Git, CircleCI, MySQL, and Kanban

Software Developer Intern

TD Bank - TD Lab

Waterloo, ON

Sept 2022 - Dec 2022

- Architected and scaled the new **TD Adapted Accessibility** tool, a browser plugin with settings to manipulate any website's UI to the needs of **1000+** TD employees - with planned distribution for **27+ million** TD customers
- Streamlined and automated **E2E** testing to achieve **170%** faster testing by developing **Cypress** test cases that run in a **Bitbucket CI/CD pipeline** leveraging **Docker** images, artifacts, cache, and parallelization strategies
- Implemented front-end, text-to-speech, and user profiles by refactoring codebase to **ReactJS, Redux, and Tailwind**
- Technologies:** ReactJS, JavaScript, Redux, Tailwind, HTML5, CSS3, SASS, Git, Bitbucket, Cypress, and Agile

Mobile Software Developer Intern

Entrust

Ottawa, ON

May 2022 - Aug 2022

- Spearheaded development of **multi-factor authentication** solutions for the **mobile app** and **SDK**, protecting **1,000,000+** users from **MFA fatigue** by implementing security challenges users complete with validated devices
- Redesigned camera and QR code functionalities by integrating new **React Native** packages and improving resource management, resulting in **30%** reduction of CPU utilization for the mobile app, deprecating old packages
- Overhauled **push notification** system by refactoring **APNS** and **API** functions to fix app-breaking **Android 13** update
- Technologies:** React Native, TypeScript, Java, Swift, Android Studio, Xcode, Jira, Git, Bitbucket, Jenkins, and Detox

Projects

GetFit

Github

- Innovated a **Flutter** mobile app that sends a notification during the user's workout to take an image, and utilizing **object recognition** and a self-trained **TensorFlow Lite model**, it verifies the presence of workout equipment
- Lack of equipment charges the user a fee to promote a consistent fitness routine using finances as punishment
- Technologies:** Flutter, Dart, Tensorflow Lite, Python, Computer Vision, Xcode, and Raspberry Pi

Coupon Chef

Github | Demo

- Designed a **React Native** mobile app and custom **REST API** solution using **Flask** that scrapes data from local grocery stores to provide recipes maximizing the use of on-sale ingredients, resulting in **\$300+** in savings within a month
- Technologies:** React Native, TypeScript, Python, Selenium, Flask, Xcode, and Raspberry Pi

Leadership

TMU Computer Science Course Union

Co-President, previously VP Communications and Deputy VP Operations

Toronto, ON

May 2023 - Present

- Leading a student team of **20+** members and working alongside **10+** company professionals including LinkedIn, Shopify, and Amazon to organize **15+** academic and career initiatives for the CS student body of **1000+** students
- Developed and maintained the **TMU CSCU wiki** created with **Docusaurus** as an information base for the student body and a **Discord bot** made with **Python** for internal members to reserve our office