

# STEVEN YAU

(437) 774-6398 | [schyau@uwaterloo.ca](mailto:schyau@uwaterloo.ca) | [github.com/StevennYau](https://github.com/StevennYau) | [linkedin.com/in/stevennyau](https://linkedin.com/in/stevennyau)

## SKILLS

---

**Frameworks and Libraries:** React, Angular, Express, Node.js, Spring Boot, ASP.NET Core, Django

**Programming Languages:** JavaScript, Java, TypeScript, C/C++, C#, Python, HTML/CSS

**Tools and Technologies:** Git, MySQL, MongoDB, PostgreSQL, Docker, Flyway, CronJob, Auth0

## EXPERIENCE

---

### Empire Life

Toronto, ON

Full Stack Developer (Intern)

Sept. 2023 – Dec. 2023

- Developed and deployed a new multi-factor authentication feature using Auth0, React, and Django for a user management system with **over 1000 daily active users**, resulting in enhanced account security for all users
- Optimized logins by migrating 50+ Auth0 rules to Auth0 actions, achieving a **1.5s reduction** in login time
- Engineered an audit log for a user management system, **documenting over 5000 previous actions**
- Implemented customizable dashboard widgets that allow users to personalize their data views

### SS&C Technologies

Toronto, ON

Full Stack Developer (Intern)

Jan. 2023 – Apr. 2023

- Developed a RESTful service using Spring Boot, Apache POI, and CronJob while leveraging mainframe data to **generate over 500 Excel sheets daily**, containing multiple statistics for asset and stock option changes
- Orchestrated **over 30 PostgreSQL Flyway scripts** for integration testing and smooth database migrations
- Boosted app performance by using Spring Cache to optimize data retrieval, **decreasing query times by 2.5s**
- Spearheaded the development of a dynamic dashboard using Angular 10 to display stock option statistics

### LCBO|next

Kitchener, ON

Full Stack Developer (Intern)

May. 2022 – Aug. 2022

- Developed a React Redux web app used at LCBO's flagship store to **reduce order fulfilment time by 50%**
- Created a CI/CD pipeline on Microsoft Azure to deploy Node, React and Express applications with Docker
- Optimized a PostgreSQL database schema to reduce data coupling, **decreasing query latency by 66%**

### TRIYO (TS Analytics Canada Ltd.)

Toronto, ON

Full Stack Developer (Intern)

Sept. 2021 – Dec. 2021

- Created API endpoints using ASP.NET and LINQ to process data from multiple tables from SQL Server
- Optimized and restructured frontend modules, resulting in approximately **36% reduction in lines of code**
- Refactored backend RESTful service endpoints resulting in a **57% decrease in loading times**

## PROJECTS

---

### UPKEY

Mar. 2021 – May. 2021

- Built a web scraper using **Next.js (React)** and **Bootstrap** for mechanical/gaming keyboards on eBay
- Engineered a RESTful API with **ASP.NET Core** and used **MongoDB** to store product and user information

## EDUCATION

---

### University of Waterloo

Sep. 2020 – Apr. 2025 (Expected)

Candidate for Bachelor of Computer Science

- Term Distinction, Fall 2020, Winter 2021 & Spring 2021 (3.64 GPA, 86% CAV)