

Raymond Li

+1(647)-762-5465 ♦ r496li@uwaterloo.ca ♦ [LinkedIn](#) ♦ [Github](#)

EXPERIENCE

Software Tools Developer

Sep 2024 - Dec 2024

CoreAVI - Waterloo, ON

- Spearheaded **Python** project leveraging **Tkinter** and **Pandas** to automate PM slides generation by updating data from various software, reducing manual updates by **90%** and saving **10+** hours/week for stakeholders
- Enhanced internal tools by implementing mission critical features using **NodeJS**, **TailwindCSS** and **React** to achieve a **15%** efficiency increase across teams and **improving** user experiences
- Collaborated with **DevOps** to migrate **20+ virtual machines** to a **Docker-based** environment to be used with **Kubernetes** for a more efficient **CI/CD** flow reducing maintenance effort by **30%**
- Led **Agile Project Management** efforts by designing and maintaining **Jira** boards for various projects

QA Test Engineer

Jan 2024 - Apr 2024

Plotoo Inc. - Toronto, ON

- Wrote **automated E2E** UI and regression tests, improving coverage by **15%** with **Playwright** and **TypeScript**
- Optimized test runtime and reduced tech debt in tests by **20%** through Playwright's **fixture pattern**
- Used **Azure Devops** for orchestrating builds to validate defect fixes outlined in **ClickUp** and worked with PMs/devs to fix gaps in requirements for QA efforts

Devops Engineer

Oct 2022 - Dec 2022

TD Bank - Toronto, ON

- Created **CD.yml** files to do **SpringBoot** infrastructure builds and application deployments via **Jenkins** pipeline in **private VMware cloud** during in-house certification
- Generated detailed build documents in **Confluence** for **LOB** projects, resulting in a **50%** productivity increase

Junior Java Developer

Jul 2022 - Aug 2022

Holcim Canada - Toronto, ON

- Assisted in writing and maintaining **Java Beans** for PoS software using **Spring MVC pattern** in **Java**
- Discovered and fixed **10+** application bugs, and followed change management process using **ServiceNow**

TECHNICAL SKILLS

- **Languages:** Python, C#, Java, C/C++, JavaScript, TypeScript, SQL, HTML, CSS, Shell Script, R
- **Frameworks:** React, SpringBoot, NodeJS, TailwindCSS, .NET Core, Tkinter, NumPy, Express
- **Technologies:** Pandas, Docker, Kubernetes, Playwright, Git
- **Databases:** SQL Server, MongoDB, MySQL, PostgreSQL
- **Tools:** Jira, ClickUp, Confluence, Github, Azure Devops, ServiceNow, SSMS, Postman, SwaggerUI, Putty
- **Certificates:** Oracle Certified Java SE 17 (OCPJP17), Certified Associate in Python (PCAP)

SIDE PROJECTS

Linear Algebra Calculator 🔗

Feb 2024 - Oct 2024

- Developed a **React SPA** by leveraging **ASP.NET Core 8 Web API (C#)**, populating a **SQL Server** database with **EntityFramework** and using **Docker** to deploy the application
- Implemented MVVM and service-oriented architectures ensuring a scaleable, decoupled codebase

Daily Scheduler 🔗

Aug 2023

- Designed and developed interactive, data persistent, to-do list app using the **MERN stack** (**MongoDB**, **Express**, **React**, **NodeJS**) with **RESTful API** endpoints

EDUCATION

University of Waterloo

Jan 2023 - Present

Bachelor's Degree in Honours Computer Science + Honours Combinatorics and Optimization

Waterloo, ON