

Tony Li

litony1999c@gmail.com | +1 416-668-1415 | <https://litony.dev/>

EDUCATION

Carleton University

Ottawa, ON

Bachelor in Computer Science, Minor in Statistics (GPA: 3.8/4)

Sep 2019 - 2023

- **Relevant Coursework:** Data Structures and Algorithms, Intro to Systems Programming, Intro to Software Engineering, Database Management Systems, Discrete Structures I&II

General Assembly

Toronto, ON

Web Development

Feb 2018 - Apr 2018

University of Toronto

Toronto, ON

Bachelor in Life Science

Sep 2017 - Apr 2019

TECHNICAL SKILLS

Languages: JavaScript/Typescript, Python, Java, SQL (Postgres), HTML/CSS

Frameworks: React, Node.js, Django, GraphQL, Express, Material-UI

Developer Tools: Git, Bash, Docker, Jira, Confluence

EXPERIENCE

IBM

Jan 2022 - May 2022

Software Engineer | React, Typescript, Gitlab, Sonarqube, SCSS, Carbon UI

Toronto, ON

- Developed and refactored **component logic to improve load speed by over 20%**
- Refactored and **fixed 80% of code bugs and smells** in Sonarqube
- Worked with the QRadar team to implement new features, improve and maintain application

Royal Bank of Canada

Aug 2021 - Jan 2022

Software Engineer | Python, Flask, Helios, Jenkins, SQL, HTML/CSS

Toronto, ON

- Led the development of a new **Python**-based web application used by all current and future team members
- Overhauled and refactored the previous version of the app with a new tech stack and implemented new back-end logic to **increase speed by 5x and productivity by 2x**
- Created new **Documentation in Confluence** to help future developers add on/maintain the application

Innovapost

May 2021 – August 2021

Software Engineer | Azure, Bash, Jenkins

Ottawa, ON

- Delivered applications via **Azure**
- Worked with Scripting languages, in particular: **Bash** and **PowerShell**
- Defined **CI/CD** pipelines and automated builds via **Jenkins**

Seedwell Inc

Jan 2021 – May 2021

Software Engineer | React, Typescript, GraphQL, Git

Toronto, ON

- Led the **agile development** of the new feature through staging environments and facilitated integration with existing Typescript code through employing **Git branching and merging** best practices
- Developed user stories into actual features using **React**, and **GraphQL**
- **Create reusable components** for the UI library that would save numerous hours of development

iContribute

Aug 2020 – May 2021

Software Engineer | Typescript, React, MongoDB, Firebase

Toronto, ON

- Led the development of the company website using **React** and **Material UI**.
- Built **REST API** using Express, NodeJS, and MongoDB that currently serve **thousands of users per day**
- Assisted in the creation of the **API documentation** for future developers

PROJECTS

Pathfinding Visualizer | React, JavaScript, HTML/CSS

Oct 2020 – Dec 2020

- Utilized React and CSS to create a visualization of how a path-finding algorithm searches for its target
- Supports Dijkstra's and A* algorithm
- Users can create custom obstacles and start/end points, then the app visualizes and identifies an optimal path

Full stack Real-estate Website | React, Redux, JavaScript, Django, Python

Apr 2018 – May 2018

- Mimics a real-estate website where "Realtor's" can log in and create postings for houses that are for sale
- Developed a full-stack REST API using DjangoAPIFramework
- Utilized Django and Redux to implement token authentication and manage permissions for site contents