

Tony Li

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EDUCATION

Carleton University

Ottawa, ON

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

Sep 2019 – Present

- **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 – April 2018

University of Toronto

Toronto, ON

Bachelor in Life Science

Sep 2017 – Apr 2019

TECHNICAL SKILLS

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

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

Developer Tools: Git, Azure, Bash, Docker, VS Code, IntelliJ, Eclipse, Android Studio, Jira, Confluence

EXPERIENCE

RBC Royal Bank

August 2021 - Present

Software Engineer

Toronto, ON

- Working with the Data Protection team
- Working with Python, Flask, Helios, Jenkins, SQL, HTML/CSS,

Innovapost

May 2021 – August 2021

Software Developer

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

Full Stack Developer

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
- Led the front-end and back-end integration of a notification system using KnexJS to create PostgreSQL migrations and React to build out **reusable components** connected to a GraphQL backend
- Contributed to the in-house UI library to create reusable components that would save numerous hours of development

iContribute

Aug 2020 – May 2021

Full Stack Developer

Ottawa, ON

- Led the development of the company website using **React**. Link: <https://icontribute.community/>
- Led the migration from firebase to **MongoDB**
- Built **REST API** using Express, NodeJS, and MongoDB
- Documented my own code and reviewed team members code to ensure it follows company standards and quality
- 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
- Source code: <https://github.com/tonyli29/algoVisualizer>

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
- Source code: <https://github.com/tonyli29/realEstateApp>