

Tony Li

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EXPERIENCE

Fortinet

April 2023 - Present

Software Developer | React, Typescript, Git, Tailwind CSS

Vancouver, BC

- Contributed to **FortiManager**, a widely-adopted tool streamlining network security through centralized **configuration, monitoring**, and troubleshooting of Fortinet devices
- Optimized** FortiManager code, significantly boosting its **scalability for large-scale network management**
- Resolved numerous **complex customer issues** promptly, boosting user satisfaction and **product reliability**.
- Designed and integrated advanced features** to FortiManager, leading to a **25% increase** in user functionality.

IBM

Jan 2022 - May 2022

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

Toronto, ON

- Collaborated with a 5-member team to refine features and uphold application performance, **boosting efficiency**.
- Improved **component load speed by 20%** through development and refactoring of component logic
- Addressed and **resolved 80% of code bugs and smells** detected by SonarQube, significantly improving code quality, stability, and maintainability.

Royal Bank of Canada

Aug 2021 - Jan 2022

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

Toronto, ON

- Championed the creation of a **Flask web app**, dramatically elevating team productivity and operational efficiency
- Optimized back-end logic, **boosting application performance by 5x and significantly increasing team productivity by 15%**, enabling faster delivery of high-quality features and enhancements to end-users
- Crafted comprehensive **Confluence documentation**, streamlining future development and maintenance.

Innovapost

May 2021 - August 2021

Software Engineer Intern | Azure, Bash, Jenkins

Ottawa, ON

- Mastered and leveraged scripting languages, notably **Bash and PowerShell**, to optimize workflows
- Architected and **refined CI/CD pipelines**, driving automation and efficiency through **Jenkins**.

Seedwell Inc

Jan 2021 - May 2021

Software Engineer Intern | React, Typescript, GraphQL, Git

Toronto, ON

- Part of an AI-driven financial wellness platform addressing the multi-billion dollar issue of productivity loss from employee financial stress.
- Transformed 20+ user stories into dynamic features using **React, and GraphQL**.
- Developed **dynamic UI components**, streamlining and **reducing development time by an estimated 20%**

TECHNICAL SKILLS

Languages: JavaScript/Typescript, Python, MongoDB, HTML/CSS

Frameworks: React, Node.js, Next.js, GraphQL, Express

EDUCATION

Carleton University

Ottawa, ON

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

Sept 2019 - Apr 2023

- Relevant Coursework:** Data Structures and Algorithms, Functional Programming, Database Management Systems, Discrete Structures I&II, Computer Vision, Cryptography

General Assembly

Toronto, ON

Web Development Bootcamp

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