Vincent **Wan**

SOFTWARE ENGINEER · FULLSTACK WEB DEVELOPER

☐ (+1) 825-454-7944 | ✉ wanv2002@gmail.com | 🏠 www.vincent-wan.me | ⊙ vincent-t-wan | in vincent-t-wan

Summary

Computer Science graduate from the University of Waterloo, with 3+ years of full-stack experience across React, TypeScript/JavaScript, C#/.NET, and SQL. Passionate about building meaningful software, continuous learning, and exploring AI/ML and data science.

Skills

Languages	C#, C++, JavaScript/TypeScript, HTML, CSS, Python, SQL
Frameworks & Technologies	.NET, React, Node.js, Docker, Kubernetes, Terraform, Git, Linux, Redis, CI/CD
AI/ML & Data	Tensorflow, NumPy, Pandas, PyTorch

Work Experience

Dayforce Inc. — *Toronto, Ontario, Canada*
SOFTWARE DEVELOPER INTERN — *May 2024 - Dec. 2024*

- Delivered an accessible user interface that generates complex visualizations based on company report datasets for the **Government of Canada**, as well as widgets that provide key company metrics with AI-generated predictions for subscribed customers, using **C#**, **TypeScript**, and **React**, resulting in a **100% increase** in VAS revenue for extensibility and integration services.
- Contributed to **5+ high-impact** features, such as integrating dashboard **PowerBI** visualizations and generating report datasets, by working closely with senior developers and product managers, collaborating with **cross-functional** teams, and aligning team goals with business priorities, resulting in a **20% increase** in overall company communications and meeting tight deadlines for the upcoming releases.
- Implemented dynamic code loading between two applications by configuring the **Webpack Module Federation** and fixing **YAML** scripts that facilitate the build and release of both applications.
- Resolved **2+ critical** bugs per sprint and incorporated customer feedback, ensuring **100%** customer compliance.

Geotab Inc. — *Waterloo, Ontario, Canada*
SOFTWARE DEVELOPER INTERN — *Sep. 2023 - Dec. 2023*

- Provided data on accumulated vehicle fuel and energy values to customers by utilizing **Firestore** and applying the accumulator pattern on vehicle signals, alongside collaborating with the team to determine optimal signal processing methods, thus giving customers more complex insights into their vehicles.
- Developed a **POST API** endpoint in **C#** that redirects fleet credentials to be securely stored in **Vault** rather than an **SQL** database, increasing the security of customer data.

ATS Corp. — *Cambridge, Ontario, Canada*
SOFTWARE DEVELOPER INTERN — *Jan. 2023 - Apr. 2023*

- Created a user-friendly **Python** interface for the simulated **PLC** utilizing byte manipulation in shared memory, enabling clients to program and display real-time statistics through a cross-platform GUI toolkit, thereby significantly increasing the simulation software's functionalities.
- Verified servo delay of **7.6 milliseconds** by recording shuttle and servo positions and velocities at various master speeds using a high-speed camera and physics modeling tool, and determining if the data suggests a linear correlation, enhancing my proficiency in data analysis.

YuJa Inc. — *Toronto, Ontario, Canada*
SOFTWARE DEVELOPER AND DESIGN INTERN — *May. 2022 - Aug. 2022*

- Developed new features for their Video Conference service such as whiteboard color and highlighting options, emoji reactions to messages, and a permissions dialog, using **Java**, **React**, and **Redux**, increasing customer satisfaction.
- Ensured that the Video Conference service followed **ARIA** accessibility standards by using **HTML**, **CSS**, and **JavaScript**, to make content aria-labeled, tab accessible, and styled to meet the Web Content Accessibility Guidelines (WCAG).

Projects

Hack the North 2023 — *Waterloo, Ontario, Canada*
HEALTH HARBOR — *Sep. 2023*

- Developed a sophisticated pharmaceutical inventory management application featuring a **CockroachDB** database for disease categorization, alongside a powerful **AI-clustering** system utilizing **Cohere's** language models for disease diagnosis and medication recommendations.

Education

University of Waterloo — *Waterloo, Ontario, Canada*
BACHELOR OF COMPUTER SCIENCE WITH AI SPECIALIZATION, MINOR IN STATISTICS - CUMULATIVE AVERAGE: 93.05% — *Sep. 2020 - Apr. 2025*