
Vincent Wan

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Relevant Skills

- **Languages:** C#, C++, C, Python, Java, HTML, CSS, JavaScript, SQL, Kotlin, Octave/MATLAB, R, Bash, PHP
- **Frameworks/Technologies:** .NET, TypeScript, React, Redux, Docker, Terraform, Kubernetes, Google Cloud Platform, Vault, Redis, Tensorflow, NumPy, Pandas, MySQL, Flask, Node, Unity, Git
- **Other:** United States permanent resident (Green Card holder)

Work Experience

Software Developer Intern, Dayforce

Toronto, ON, May - December 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.
- Met tight deadlines for the November and February release by prioritizing critical features such as generating report datasets and integrating dashboard **PowerBI** visualizations. Actively resolved **2+** critical bugs per sprint and incorporated customer feedback, ensuring **100%** customer compliance.
- Contributed to **5+** high-impact features 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.

Software Developer Intern, Geotab

Waterloo, ON, September - December 2023

- Provided data on accumulated fuel and energy values of a vehicle's lifetime 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 insight into their vehicles.
- Increased the security of customer data by developing a **POST API endpoint** that redirects fleet credentials to be securely stored in **Vault** rather than an **SQL database**.

Software Developer Intern, ATS Corporation

Cambridge, ON, January - April 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.

Software Developer and Design Intern, Yuja Inc.

Toronto, ON, May - August 2022

- Developed new features for their Video Conference service that meet the Web Content Accessibility Guidelines (WCAG), such as whiteboard color and highlighting options, emoji reactions to messages, and a permissions dialog, using **Java, React, and Redux**, increasing customer satisfaction.

Projects

Hack the North 2023: Health Harbor

September 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

Bachelor of Computer Science with AI Specialization, Minor in Statistics - Cumulative Average: 92.88%

September 2020 - April 2025