

Vincent Yee

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Skills

Languages JavaScript, TypeScript, Ruby, Python, React, Svelte, C/C++, Rust, SQL

Frameworks/Other Git, Docker, Ruby on Rails, NextJS, Node, Flask, Claude Code, PostgreSQL, GraphQL, JJ, AWS

Education

University of Waterloo

Candidate for Bachelor of Computer Science, Cooperative Program

Waterloo, ON

2021 - 2026

- **Cumulative Average:** 89.61%, **Faculty Average:** 91.81%

- **Relevant Course(s):** Algorithm Design and Data Abstraction (Adv), Object-Oriented Software Development (Enriched), Data Structures and Data Management, Intro Artificial Intelligence, Computer Graphics

Experience

StackAdapt

Software Engineer Intern (Frontend Infrastructure Team)

Toronto, ON

Sept 2025 - Dec 2025

- Worked on Halo UI, a customized **React** component design system built on Material UI used by all the StackAdapt frontend projects. Built out multiple extensible components, such as a Date Range input, from **Figma** designs.
- Created an internal site, Engineering Insights, which tracks Developer Metrics (Individual GitHub metrics, Jira metrics, etc...) to improve the tracking of metrics for Team Leaders/Managers; replacing manual CSVs with automated data retrieval and parsing. Built with a **Ruby on Rails**, **GraphQL** backend and a **React** SPA frontend using React Router.
- Improved the frontend **eslint** rules by enforcing and fixing violations across multiple packages.

Babylist

Software Engineering Co-op (Health Team)

Emeryville, CA

Jan 2025 - Aug 2025

- Worked on Babylist Health which provides durable medical equipment (DME) products through insurance.
- Worked on the front end redesign of Babylist Health homepage. Created custom Babylist Design System **React** Components and implemented them in the new front end flow. Standardized front end practices with the rest of the engineering team (**SASS**, **Jest/React Testing Library**, **React Query**).
- Improved insurance eligibility determination by adding checks to the returned insurance status from Availity's API. Improvements to the **Ruby on Rails** classes allowed determining if the submitted insurance is a customer's non-primary insurance. Submitting claims with non-primary insurance caused \$275K in denials annually.
- Added a feature allowing users to add milk bags, breast pump replacement parts and lactation consulting as additions to their DME order using **React** and **Ruby on Rails**. Increased conversion rate to checkout screen from 85% to 96%. Increased user awareness of replacement parts from 27% to 42%.

Babylist

Software Engineering Co-op (Registry Experience Team)

Emeryville, CA

Jan 2024 - April 2024

- Worked for Babylist, a baby registry platform, that helps over 9 million people make baby product purchases.
- Implemented a front end revamp of the universal registry. Added features to improve the user experience of viewing and customizing a registry such as drag and drop; drawers for nested forms or actions; cards for registry items. Moved to a SPA architecture with folder based routing using **React Query** and **React Router**.
- Moved from legacy MaterialUI components to custom reusable **React** components from a **Figma** Design System. Implemented **Storybook** and **Chromatic** with the new design system to allow for easy prototyping, testing and collaboration between designers and engineers.
- Updated legacy **React Router** client side routing code to React Router V6 which improved the developer experience and enabled the upgrade to a custom folder based routing solution.

Super.com

Software Engineer Intern - Fullstack (Product)

Toronto, ON

May 2023 - Aug 2023

- Worked on SuperTravel, a travel platform that provides 30 million users with hotel booking services.
- Developed features for the front end **React** app, such as an error drawer that displayed similar hotels when no rates could be found for a specific hotel. Worked on multiple back-end **Flask** microservices, such as APIs dealing with hotel recommendation, search and bookings.
- Wrote a **Python** package to interface with a new hotel supplier's API (Restel Hotels) and connected it to SuperTravel's collection of suppliers. Improved packages for other hotel suppliers.
- Improved payments and fraud detection using **Paypal's Braintree API**. Such as by collecting and passing the client's device data during a Braintree transaction to be used in determining fraud.

Projects

HoloRewind ↗️ | NextJS, React, Pocketbase, Docker, Coolify

- Created a site that creates a recap of an individual's Hololive - a VTuber gaming group - watch history on YouTube (Similar to YouTube music recap/Spotify Wrapped). After a user requests their watch history from YouTube, they could upload it and receive a personalized recap of their Hololive watch history. Since 2024, it has served over **20,000 page visits** with over **3500 shared rewinds** using **#HoloRewind** on Twitter/X.
- Implemented the front-end with a **NextJS** application. The backend (for storing YouTube channel, YouTube video and personal HoloRewind information) was implemented with **Pocketbase**. Hosted on a **DigitalOcean** Droplet. Implemented CI/CD with **Github Actions and Docker**.