

Nick Shum

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EDUCATION

University of Waterloo

Candidate for BAsC in Computer Engineering; Cumulative GPA: 3.3

Apr. 2027

Waterloo, ON

EXPERIENCE

Full Stack Developer

CI Technologies

Sept. 2023 - Dec. 2023

Vancouver, BC

- Developed **RESTful** APIs with **Spring Boot** following the **MVC** architecture to facilitate communication between frontend and backend systems, optimizing system interoperability
- Architected tailored **Hibernate** queries to efficiently retrieve and manipulate data from **Microsoft SQL Server**, boosting application performance and functionality
- Streamlined client-side **state management** in **Vue.js** through leveraging **Vuex** standards, improving application maintainability and enhancing user interface responsiveness

Quality Assurance Analyst

EllisDon

Jan. 2023 - Apr. 2023

London, ON

- Effectively conducted testing and deployed software tools into production, currently used by colleagues across different departments, leading to heightened efficiency and productivity throughout the company
- Collaborated with cross-functional teams following **Agile Scrum** methodology, contributing to the delivery of high-quality software products and the enhancement of quality processes

PROJECTS

🔗 ResuMatch - Job Application Manager, *Firebase, React, Django, SQLite*

Oct. 2023

- Developed a job search web application, enabling users to create accounts, track job applications, and seamlessly link uploaded resumes to specific positions for enhanced job search management
- Protected user routes and data by seamlessly integrating **Firebase** Authentication with **React** frontend and **Django** backend, ensuring secure access and robust data privacy
- Leveraged Django's ORM to design a streamlined relational **SQLite** database, intertwining user models, resume entries, and job applications for improved data organization and retrieval efficiency

🔗 SpotiTrack - Spotify Tracker, *Spotify API, Next.js, Express, Node.js, TailwindCSS*

Mar. 2023

- Implemented robust data fetching mechanisms using **Express** to retrieve user data from the **Spotify API**, optimizing the application's responsiveness and real-time personalized features
- Protected user authentication adhering to the **OAuth 2.0** protocol, to ensure a secure login process for users through their Spotify accounts
- Employed **Next.js** and **TailwindCSS** to display users' top tracks and artists, creating a visually appealing and responsive user interface that enhances overall user experience

🔗 Personal Website, *Next.js, TailwindCSS, Framer Motion, Figma*

Feb. 2023

- Crafted a compelling portfolio using **Figma**, emphasizing user-friendly navigation and an intuitive layout to maximize the impact of the design
- Leveraged the server-side rendering capabilities of **Next.js** to improve website performance and **SEO**, leading to a faster and more discoverable website
- Established a GitHub to Vercel **CI/CD pipeline** to optimize production build deployment, resulting in increased efficiency and reliability

SKILLS

Languages: JavaScript, Java, C++, Python, SQL

Frameworks/Libraries: Next.js, React, Vue.js, Vuex, Express.js, Node.js, Spring Boot, Django, Bootstrap, TailwindCSS, Framer Motion

Tools: Git, Figma, Atlassian, Hibernate, Firebase, Vercel, SQLite, Postman