Nick Shum

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EDUCATION

University of Waterloo   Apr. 2027
Candidate for BASc in Computer Engineering; Cumulative GPA: 3.3   *Waterloo, ON*

EXPERIENCE

Full Stack Developer   Sept. 2023 - Dec. 2023
CI Technologies   *Vancouver, BC*

- Developed **RESTful** APIs with **Spring Boot** to facilitate communication between frontend and backend systems, enhancing system interoperability
- Crafted customized **HQL** queries to efficiently retrieve and manipulate data, boosting application performance and functionality
- Leveraged **Vuex** for streamlined state management in **Vue.js**, improving application maintainability and enhancing user interface responsiveness

Quality Assurance Analyst   Jan. 2023 - Apr. 2023
EllisDon   *London, ON*

- Collaborated with cross-functional teams using **Agile Scrum** methodology, contributing to the delivery of high-quality software products and the enhancement of quality processes
- Utilized **Jira** project management software to streamline project workflows and increase team collaboration, resulting in significant increase in project completion rates
- Successfully tested and published software tools into production, currently used by colleagues from various departments, resulting in increase efficiency and productivity across the company

PROJECTS

🔗**SpotiTrack - Spotify Tracker**, *Spotify API, Next.js, Node.js, Express, TailwindCSS*   Mar. 2023

- Built a web app with **Express** and **Node.js** that interacts with the **Spotify API**, optimizing server-side API endpoints for efficient data handling
- Implemented **OAuth 2.0** authentication protocol to allow users to log in with their Spotify account securely
- Employed **Next.js** and **TailwindCSS** to display users' data, such as top tracks and artists, for an engaging user experience

🔗**Personal Website**, *Next.js, TailwindCSS, Framer Motion, Figma*   Feb. 2023

- Designed visually appealing portfolio using **Figma**, with a focus on user-friendly navigation and intuitive layout
- Leveraged the server-side rendering capabilities of **Next.js** to improve website performance and **SEO**, resulting in a faster and more discoverable website
- Established a GitHub and Vercel **CI/CD pipeline** to optimize React build deployment, resulting in increased efficiency and reliability

🔗**Space Invaders**, *Java*   Apr. 2022

- Developed from scratch using **Java**, demonstrating a strong understanding of object-oriented programming principles and Java language features
- Utilized Java graphics and sound libraries to achieve a captivating and immersive gaming environment, involving the design and integration of the game's user interface, graphics, and sound effects

SKILLS

Languages: JavaScript, TypeScript, Java, C++, Python, SQL
Frameworks/Libraries: Next.js, React, Express.js, Node.js, Vue.js, Bootstrap, TailwindCSS, Framer Motion
Tools: SpringBoot, Git, Figma, Jira, Confluence, Spring Boot, Vercel, Postman