

# Nick Shum

✉ n4shum@uwaterloo.ca    ☎ (647) 632-0974    in Nick Shum    🌐 NickShum    📧 nickshum.ca

## Skills

---

**Languages:** HTML5/CSS, JavaScript, Java, C++, Python

**Frameworks/Libraries:** Next.js, React, Express, Node.js, Bootstrap, TailwindCSS

**Tools:** Git, Github, Figma, Adobe Photoshop, Jira, Postman, VSCode

## Projects

---

**SpotiTrack - Spotify Tracker**, *Spotify API, React, Next.js, Node.js, Express, TailwindCSS* [↗](#) Mar 2023 – Apr 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
- Displayed users' data such as top tracks and artists using **Next.js** and **TailwindCSS** for an engaging user experience

**Personal Website**, *React, Next.js, TailwindCSS, Figma* [↗](#) Feb 2023 – Mar 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 for increased efficiency and reliability

**Weather App**, *React, HTML5, CSS, JavaScript* [↗](#) Oct 2022

- Developed a simple weather app using **React**, **HTML**, and **CSS** that allows users to search for current weather conditions for a specific city
- Utilized the **OpenWeather API** to fetch real-time weather data, including temperature, date, and wind speed, and display it to users in an easy-to-read format

**Space Invaders**, *Java, Greenfoot* [↗](#) Apr 2022 – May 2022

- Developed a Space Invaders game from scratch using **Java**, demonstrating a strong understanding of **object-oriented** programming principles and Java language features
- Employed Java's event-driven programming model to handle user input and game logic, ensuring the game responded smoothly and consistently to player actions
- Utilized Java graphics and sound APIs to create a visually appealing and immersive gaming experience, including designing and implementing the game's user interface, graphics, and sound effects

## Professional Experience

---

**Quality Assurance Analyst**, *EllisDon* Jan 2023 – Apr 2023

- Developed and implemented effective quality assurance processes and procedures, resulting in improved overall project quality and reduced error rates
- Utilized **Jira** project management software to streamline project workflows and increase team collaboration, resulting in a significant increase in project completion rates
- Successfully tested and published multiple software tools into production, currently used by colleagues from various departments, resulting in increase efficiency and productivity across the company.

London, ON

**Kitchen Staff**, *Hattendo Bakery* Oct 2021 – May 2022

- Prepared high-quality Japanese-inspired baked goods and other dishes according to established recipes and procedures, ensuring consistency and adherence to standards
- Assisted with kitchen inventory management, including monitoring stock levels, ordering supplies, and ensuring proper storage of ingredients, helping to ensure a well-stocked and organized kitchen

Markham, ON

## Education

---

**Candidate for BASc in Computer Engineering**, *University of Waterloo* Sep 2022 – present

Waterloo, Canada