



Zayn Chowdhury

Year 3, Computer Science Student

✉ zaynchow@student.ubc.ca | 📞 (236)-591-7831 | 🌐 [zaynchowdhury.com](https://www.zaynchowdhury.com) | 📷 [zaynchowdhury.com](https://www.zaynchowdhury.com)

Technical Skills

Programming	Python, Java, C++, Racket, R, SQL, OOP, Swing
Web	HTML5, CSS3, JavaScript, ReactJS, NextJS, NodeJS, ExpressJS
Tools & Platforms	WordPress, Sanity, Vercel, Heroku, GitHub, Netlify, Git, Microsoft Office
Testing	JUnit, Jest, Selenium, GDB

Featured Personal Projects

Sanity E-commerce Web App ([Link](#))

May 2022

Next.js, Sanity.io, Vercel, GitHub

- Developed a full-stack e-commerce app using Next.js for frontend and backend along with Sanity for easy, user-friendly content management
- Used Server-Side Rendering to deliver static pages from the server to immensely reduce loading times for dynamic content
- Furthermore, Incremental Server-Side Regeneration was used to update static pages stored in server after predefined periods for the ease of updatability and scalability

Spotify Analytics App ([Link](#))

March 2022

Node.js, Express.js, React.js, Spotify API, Heroku, GitHub

- Developed a full-stack web app to visualize personalized Spotify data with the help of Node.js, React, Styled Components, and the Spotify Web API
- Developed a modern responsive UI with react, react hooks, and styled components and an algorithm to filter songs based on characteristics like danceability and tempo
- Implemented the Spotify OAuth flow with JavaScript and modern ES6 async-await methods utilising the principles of RESTful APIs to authorize the app with Spotify.
- Built a Node server with Express.js to handle HTTP and authentication requests
- Used the local browser storage to store authentication and automatic refresh tokens through which users have to authorize the app only once, thereby increasing app efficiency and UX significantly
- Deployed the app with a React front-end and Node.js back-end to Heroku

Commerce Cart ([Link](#))

April 2021

Java, Swing, GitHub

- Developed an e-commerce app with admin panel to view store analytics and manage store using Object-Oriented Programming for UI and logic
- Used java swing along with custom UI classes for an aesthetic and user-friendly GUI
- Integrated a singleton structure to create and pass a single instance of the main class to all other classes, which helps in retaining the shop data for a complete session without multiple data fetch calls making the app more robust and improving its integrity



Work Experience

UI Developer

Jostle Corporation

January 2023 - Present

Vancouver, BC

- Worked with the Search team on implementing the new design and functionalities of the search artifact using ReactJS, GWT and Redux.
- Tasks include implementing search components with proper functionalities maintaining best practices and company policies, converting legacy GWT components to React components, implementing search result table following spec sheet etc.
- Solved bugs on production flagship product to provide more robustness and integrity.

Full Stack Designer & Developer

Mineral Deposit Research Unit, UBC

August 2022 - Present

Vancouver, BC

- Worked in UX research and wireframed the new version of the MDRU official website
- Redesigning the website with updated branding
- Developing custom theme and plugins for website and backend functionality using PHP, jQuery, HTML and CSS.

Co-Founder and Web Developer

Deep Blue Creatives

September 2020 – December 2023

Dhaka, Bangladesh

- Led and assisted a team of four designers and developers to create efficient, effective, and visually aesthetic websites complying with industry standards
- Developed websites for multiple niches and industries using HTML, CSS, JavaScript, WordPress, and third-party plugins for additional project functionality requirements
- Coached junior developers on design conventions and website analytics
- Completed projects: <https://munshicorp.com>, <https://subsoutlet.com>, <https://issmt.net>, <https://deepbluecreatives.com>, <https://journeyadviser.com.bd>

Data Analyst Intern

Hapag-Lloyd (GBX Logistics)

June 2018 - August 2018

Dhaka, Bangladesh

Worked under supervision in the data analytic team to interpret data, create statistical diagrams, and find strategic trends from service analytics

Education

University of British Columbia

September 2020 - May 2025

Bachelor of Science – Computer Science

- **Cumulative GPA:** 82.0%
- **Relevant Courses:** Software Construction, Algorithms and Data Structures, Programs and Programming, Models of Computation