Nathan Wu

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Education

University of British Columbia   Expected April 2028
Bachelor of Science in Computer Science GPA: 3.75   *Vancouver, BC*
- **Relevant Coursework:** Software Engineering (In Progress), Relational Databases (In Progress), Data Structures & Algorithms, Computer Systems, Software Construction

Projects

Vancouver Events Hub Web App | *React, JavaScript, CSS, Ticketmaster API, Axios*
- Built a React web application to help users discover Vancouver local events by integrating real-time data from the Ticketmaster API.
- Implemented search and filtering (event name, date range, price, category) to improve usability and accessibility.
- Designed responsive event cards with CSS Grid, ensuring usability across desktop and mobile devices.
- Deployed securely on Netlify with environment variable protection, making the app publicly accessible.

LeetSpeak | *React + Vite, Tailwind CSS, ElevenLabs API, Google Gemini API, Node.js/Express, Monaco Editor*
- Developed an AI-powered coding platform that trains candidates to verbalize their technical logic while solving LeetCode problems, simulating real-world technical interview constraints.
- Integrated real-time Gemini API logic with ElevenLab text-to-speech to provide conversational feedback and guidance to users without revealing full solutions.
- Designed a responsive, multi-page user experience using React Router for auth-gated practice flows, ensuring a seamless transition from problem selection to live interview practice sessions.

Win/Loss Record Tracker | *Java, Swing, JSON, JUnit*
- Developed a desktop application with a Swing GUI to track and visualize user outcomes for decision-making.
- Implemented JSON-based file storage to persist records, enabling detailed performance history across sessions.
- Added summary statistics and win/loss reporting features to encourage informed and responsible usage.
- Created automated unit tests with JUnit to validate core functionality and ensure long-term reliability.

Experience

Enactus UBC   Oct. 2025 – Current
Software Developer   *Vancouver, BC*
- Engineered a React + Vite e-commerce site for a non-profit, selling upcycled wood coasters, with product pages, impact metrics, and a purchase flow.
- Collaborating within a 6-member developer team, staying organized through Git to manage a shared codebase.
- Maintaining a functional platform for active community members, optimizing site performance and site reliability to support ongoing non-profit operations.

Wun2Free Entertainment   Apr. 2024 – Current
Games Attendant   *Richmond, BC*
- Delivered customer service to hundreds of guests per night, maintaining a welcoming atmosphere in a high-traffic entertainment environment.
- Resolved customer inquiries and issues, ensuring fair play while maintaining safety and cleanliness standards.

BROWNS SOCIALHOUSE   Sept. 2022 – Sept. 2023
Line Cook   *Richmond, BC*
- Coordinated with an 8+ member kitchen team to sustain efficient workflows under high-volume service conditions.
- Trained and mentored 5+ new employees, reducing onboarding time and improving overall kitchen performance.

Technical Skills

Programming Languages: Java, C, C++, TypeScript, JavaScript, SQL, R, HTML/CSS, Tailwind CSS
Frameworks & Libraries: React, Axios, Node.js, Express.js, JUnit, Swing, APIs, LLM
Tools & Platforms: Git/GitHub, Vercel, Netlify, Oracle/MySQL, Firebase, Supabase