Nathan Wu

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Education

University of British Columbia — Expected April 2027
Bachelor of Science in Computer Science GPA: 3.75 — *Vancouver, BC*

- **Relevant Coursework:** Software Engineering, Relational Databases, Data Structures & Algorithms, Computer Systems, Software Construction

Projects

LeetSpeak | *React, ElevenLabs API, Gemini API, Node.js/Express, Monaco Editor* — Jan. 2026 – Current

- Developed a full-stack 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 ElevenLabs 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 an intuitive transition from problem selection to live interview practice sessions.

Vancouver Events Hub Web App | *React, JavaScript, CSS, Ticketmaster API, Axios* — Oct. 2025

- Built a React web application to help users discover local events by integrating live data from the Ticketmaster API.
- Implemented search and filtering (event name, date range, price, category) to improve usability and accessibility.
- Designed a responsive front-end user interface with CSS Grid, ensuring usability across desktop and mobile devices.

Win/Loss Record Tracker | *Java, Swing, JSON, JUnit* — Jan. 2024 – Apr. 2024

- 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.
- Designed 30+ tests using JUnit to ensure application reliability and verify 100% functionality of core user stories.

Experience

Enactus UBC — Oct. 2025 – Current
Technology Manager & Software Developer — *Vancouver, BC*

- Developed a non-profit e-commerce platform using React and integrated the Shopify API to facilitate transactions.
- Led a 6-member team in maintaining 5 different department websites, utilizing Git-based code reviews to ensure codebase maintainability and consistent site reliability.
- Standardized Agile methodologies through biweekly sprint planning sessions and mandatory pull requests, ensuring 100% alignment between engineering sprints and non-profit milestones.

Wun2Free Entertainment — Apr. 2024 – Current
Games Attendant — *Richmond, BC*

- Delivered customer service to 500+ guests per night, ensuring a welcoming atmosphere in a high-traffic space.
- 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++, Python, 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