

Neo Hyldelund

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Summary

Full-stack software engineering student with experience in JavaScript, Python, Java, and C++. Skilled in building responsive web interfaces, integrating backend services, and working with APIs and asynchronous systems. Passionate about developing scalable, maintainable software across the stack.

Education

Simon Fraser University
Bachelor of Science in Computing Science,
Data Structures & Algorithms, Software Engineering, AI & Machine Learning

Burnaby, BC
Sep. 2023 - Expected Graduation: May 2027

Academic Projects

Grow-the-Hoard | Java, Maven, OpenGL, LDtk, JUnit
2D top-down maze game with custom levels and AI enemies

Jan. 2025 - Mar. 2025

- Built with a 4-person team using Java; featured A* enemy AI and 100% test coverage via JUnit/JaCoCo.

Personal Projects

Personal Portfolio Website | NextJS, TailwindCSS, React
Introductory portfolio website, with a sleek and simple design

Jun. 2025

- Built and deployed a modern personal portfolio using Next.js and Tailwind CSS, with a focus on accessibility, performance, and clean visual hierarchy.
- Designed modular, reusable React components for project cards, navigation, and layout, enabling rapid iteration and content updates.
- Implemented responsive design with mobile-first layouts and optimized flex/grid systems to ensure a seamless experience across devices.
- Integrated dark mode support using Tailwind's media query and class strategies, enhancing visual comfort and UX consistency.

Hands-Off | Python, Whisper, Porcupine
Hands off, voice activated spotify helper

Jul. 2025

- Built a voice assistant with wake-word detection, real-time transcription (Whisper via OpenAI/local GPU), and asynchronous command execution.
- Integrated Spotify automation via Spotipy API, enabling natural voice control for playback and playlist navigation..

Technical Skills

Languages: C++, Python Java, JavaScript, SQL
Frameworks/Libraries: React, NextJS, Express, JUnit, NodeJS, Tailwind CSS,
Databases: MongoDB, MySQL, PostgreSQL
Tools & Platforms: Git, OpenGL, GLTF, VS Code, Visual Studio, Postman, JIRA