

# Neo Hyldelund

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## Summary

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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

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

Burnaby, BC  
*Current*

## Academic Projects

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**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

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**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

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**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