Neo Hyldelund

778-874-9963 | neo.hyldelund@gmail.com | linkedin.com/in/neohylde | github.com/NeoHylde | neohyldelund.com

Summary

Detail-oriented software engineering student with strong Python, C++, and JavaScript skills. Experienced in building async tools, automation pipelines, and GPT/AI-integrated interfaces. Passionate about creating fast, testable, and user-centric software that bridges backend logic with intuitive frontend experiences.

Education

Simon Fraser University   Burnaby, BC
Bachelor of Science in Computing Science   *Expected 2027*
Data Structures & Algorithms, Software Engineering, AI & Machine Learning

Experience

Vancouver Olive Oil Company | Sales Associate | *Vancouver, BC*   Feb. 2023 - Jun. 2023
- Educated customers on over 30 specialty products, boosting product trial rates and driving a 20% increase in bundled purchases.
- Implemented a new sampling layout that improved foot traffic flow and led to a 10% increase in weekend sales.

Coop SuperBrugsen | Sales Associate | *Copenhagen, Denmark*   Jul. 2020 - Apr. 2021
- Supported a multilingual customer base by providing service in English, Danish, and Russian enhancing customer satisfaction in a high-volume retail environment.

Personal Projects

Hands-Off | GitHub | *Python / Faster-Whisper / Porcupine / Spotipy*   Jul. 2025 - Pres.
Designed a privacy-first voice assistant using real-time transcription and voice command recognition.
- Enabled 100% hands-free music control via wake word and GPT-assisted command parsing.
- Deployed hybrid async pipeline for <250ms voice response latency.
- Supported 20+ voice intents including playback, playlist switching, and volume control.

CodeSnip | GitHub | *Python / PyQt / GPT-4o / OpenAI Vision API*   Jul. 2025
Built a Copilot-style utility to visually analyze code on-screen and return natural language summaries.
- Integrated hotkey-triggered region selection and screenshot capture.
- Decoupled API processing from UI thread, improving responsiveness by 40%.
- Used by classmates to better understand complex codebases - 85% found it helpful in surveys.

Technical Skills

Languages: Python, C++, JavaScript, Java, SQL

Frameworks/Libraries: PyQt, React, Next.js, Node.js, Express, JUnit, Tailwind CSS

APIs/Tools: GPT-4o, Whisper, Spotipy, OpenGL, Postman, Git, JIRA

Databases: MongoDB, MySQL, PostgreSQL

Concepts: Async pipelines, API design, test automation, UI/UX, voice interfaces

NAH