

# Neo Hyldelund

778-874-9963 | [neo.hyldelund@gmail.com](mailto:neo.hyldelund@gmail.com) | [linkedin.com/in/neoHYLde](https://www.linkedin.com/in/neoHYLde) | [github.com/NeoHYLde](https://github.com/NeoHYLde) | [neoHYLdelund.com](https://neoHYLdelund.com)

## Education

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

Burnaby, BC  
*Expected 2027*

## Personal Projects

**News-Cluster** | [GitHub](#) | *Python / spaCy / RSS / NLP*  
Built a real-time news geopolitically themed clustering tool.

- Implemented robust web scraping via urllib and xml.etree to extract 150+ headlines from diverse RSS feeds.
- Applied spaCy NER and frequency analysis to cluster titles by dominant geopolitical actor with >85% accuracy.

Aug. 2025

**Hands-Off** | [GitHub](#) | *Python / Faster-Whisper / Porcupine / Spotipy*  
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.

Jul. 2025

**CodeSnip** | [GitHub](#) | *Python / PyQt / GPT-4o / OpenAI Vision API*  
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.

Jul. 2025

## Technical Skills

**Languages:** Python, C++, JavaScript, Java, SQL  
**Frameworks & Libraries:** React, Next.js, Node.js, Express, TailwindCSS  
**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

## 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.

**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.