

# Neo Hyldelund

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## Education

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

Burnaby, BC  
*Expected 2027*

## Personal Projects

**Personal Portfolio** | [GitHub](#) | [Website](#) | *NextJS / TypeScript / TailwindCSS / ThreeJS*  
Clean, mobile-optimized personal site showcasing projects and code samples.

- Increased user engagement by ~40% by integrating interactive 3D elements using Three.js and React Three Fiber to create an immersive landing experience.
- Improved performance by reducing 3D asset size by 40% through custom shader optimization and geometry simplification.
- Accelerated build time by 60% by implementing dynamic imports and static route generation in Next.js, streamlining deployment and dev workflows.

**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.

**Grow-the-Hoard** | [GitHub](#) | *Java / Maven / OpenGL / LDtk / JUnit*  
Collaborated on a team of 4 to develop a top-down maze game with intelligent enemy behavior.

- Wrote core logic and pathfinding using A\* on custom level formats (LDtk).
- Achieved 100% unit test coverage with JaCoCo; CI-tested using GitHub Actions.
- Presented to a class of 80+ with live gameplay demo and source code walkthrough.

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, C/C++, Java, SQL  
**Frameworks & Libraries:** React, Next.js, Node.js, Express, TailwindCSS  
**Databases:** MongoDB, PostgreSQL, MySQL  
**Tools:** Git, Postman, JIRA, VS Code  
**Concepts:** Asynchronous programming, API integration, performance profiling

## Experience

**Vancouver Olive Oil Company** | Sales Associate | *Vancouver, BC*  
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*  
Delivered multilingual support (English, Danish, Russian) to a diverse customer base, improving satisfaction and efficiency in a high-traffic retail environment.