

# Neo Hyldelund

778-874-9963 | neo.hyldelund@gmail.com | Burnaby, BC

Personal Website: <https://neohyldelund.com/>

## Technical Skills

---

- **Languages:** JavaScript, Java, Python, C++/C
- **Frameworks/Libraries:** React, Express, JUnit, Node.js, Tailwind CSS, Next.js
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, Visual Studio, Postman, JIRA
- **Technologies:** JSON, HTTP, REST APIs

## Academic Technical Projects

---

Grow-the-Hoard 2D Maze Game (Java, Maven, OpenGL, LDK) Mar. 2025

### CMPT 276: Introduction to Software Engineering

- Developed from scratch in a team of four, creating a fully functional 2D maze game using Java, LDK level editor for level design, OpenGL for rendering, and Maven for project management.
- Specialized in level creation, non-moving and moving enemy classes, implementing crucial gameplay mechanics in Java.
- Designed and programmed AI-driven enemies using A\* pathfinding, enabling them to dynamically pursue the player.
- Ensured team cohesion by maintaining deadlines, actively participating in meetings, and fostering a collaborative and respectful work environment.

## Personal Technical Projects

---

Implement My Idea (PostgreSQL, Express, React, Node.js) May. 2025

### Community Idea Generator Platform

- Built a full-stack web app that connects non-programmers with developers to share and collaborate on automation and software ideas.
- Designed RESTful APIs with Node.js and Express to manage user submissions, project matching, and interest tracking.
- Structured and queried relational data using PostgreSQL for scalable idea storage and user interactions.
- Developed a responsive, user-friendly React interface to encourage idea pitching and seamless developer discovery.

Hazardous Ingredient Checker (JavaScript, Chrome Tools) May. 2025

### Chrome Extension

- Built a Chrome Extension that scans ingredient lists and highlights over 900+ known toxic substances from Proposition 65 data, improving consumer product transparency directly in-browser.
- Designed a clean popup interface with dynamic risk tags and Chrome messaging APIs.
- Integrated a JSON-parsed database for efficient keyword detection. Aimed at improving consumer health literacy during online shopping.

## Education

---

Bachelor of Science in Computing Science, Sep. 2023 - Current

Relevant Courses: Data Structures and Algorithms I & II, Introduction to AI, Linear Algebra

- Simon Fraser University, Burnaby, BC