JINA WALBOURNE

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EDUCATION

Dalhousie University, *Bachelor of Computer Science* **Sept 2022 – Present**
Relevant Coursework: Data Structures & Algorithms, Computer Systems Programming, Software Development, Database Systems, Data Science, Discrete Mathematics

SKILLS & TOOLS

Programming languages: Java, HTML, CSS, JavaScript, Python, C, MySQL, x86 Assembly, Typescript
Tools & Platforms: Git, GitHub, GitLab, React Native, IntelliJ, Visual Studio Code, Eclipse, Figma
Collaboration & Communication: Coordinated events in Dalhousie's Women in Tech Society, strengthened team planning, outreach, and cross-department communication skills through regular meetings and email campaigns
Other: Object-Oriented Programming, debugging, time management, attention to detail, cross-functional collaboration, adaptability in fast-paced environment, ability to take initiative

PROJECTS

Beauty Product Recognition App **May 2025 – Present**
Ongoing Personal Project | React Native, Typescript, Python, Playwright
- Building a barcode and search-based web app to identify 1000+ Sephora skincare and makeup products and flag comedogenic ingredients
- Scraping data from brand pages using Playwright to extract ingredients lists into structured JSON for analysis

AI Sales Coach **Mar 2025 – May 2025**
Personal Open-Source Project | GPT4All, FastAPI, HTML, CSS, JavaScript
- Developed a full-stack coaching tool simulating real-time sales conversations using a locally hosted GPT4All model
- Connected frontend and backend through RESTful API calls to simulate dynamic, multi-turn conversations

Heart Disease Dataset **Jan 2025 – Apr 2025**
Dalhousie University | MySQL, SQL, ER Modeling
- Designed and implemented a normalized relational database modeling diseases, symptoms, treatments, and researchers, integrating multi-entity relationships into a cohesive schema
- Queried real and synthetic datasets using multi-table joins to analyze correlations between attributes and outcomes

Basic Front-End Compiler for JSON **Sept 2024 – Dec 2024**
Dalhousie University | Python
- Built a recursive descent parser to perform lexical, syntactic, and semantic analysis on JSON structures in Python
- Tokenized input, enforced semantic rules, and generated abstract syntax trees with informative error messages
- Validated implementation with 10 automated test cases covering all supported semantic error types and valid inputs

Course Scheduler **Sept 2024 – Dec 2024**
Dalhousie University | Java
- Built a Java-based course scheduler using object-oriented programming to manage courses and define prerequisites
- Implemented Depth First Search (DFS) and topological sorting to detect cycles and generate valid course sequences

WORK EXPERIENCE

Langley Gymnastics **May 2018 – Jan 2025**
Gymnastics Coach *Langley, BC*
- Designed and delivered over 500 personalized lesson plans and gymnastics routines, helping students achieve performance milestones across all skill levels
- Coached and mentored 200+ students aged 4–18, enhancing communication and leadership skills in dynamic, goal-oriented environments