

Jina Walbourne

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EDUCATION

Dalhousie University

Bachelor of Computer Science

Halifax, NS

Sept 2022 – Sept 2027

- **GPA:** 3.60
- **Relevant Coursework:** Data Structures & Algorithms, Computer Systems Programming, Software Development, Database Systems

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Apex, C, SQL, HTML/CSS

Frameworks: JUnit, Jest, FastAPI

Platforms: Salesforce, Experience Cloud, Excel

Developer Tools: Git, GitHub, Azure DevOps, VS Code, IntelliJ

EXPERIENCE

Software Developer (Co-op)

Irving Oil

May 2026 – Present

Saint John, NB

- Migrated the Hometown Rewards Salesforce Experience Cloud application from the Aura framework to Lightning Web Runtime (LWR), achieving an **83% improvement in page performance** by modernizing the application's architecture and adopting native web standards.
- Designed and implemented reusable Lightning Web Components (LWCs) to eliminate duplicate code and accelerate future feature development across all Salesforce applications.
- Developed automated Jest unit tests for Lightning Web Components, increasing regression test coverage across the application and significantly reducing repetitive manual testing during feature validation.
- Collaborated in an Agile Scrum environment using Git and Azure DevOps, participating in sprint planning, code reviews, and iterative software delivery.

Software Developer (Co-op)

Irving Oil

Sep. 2025 – Dec 2025

Saint John, NB

- Developed Apex automation and Salesforce Flows to validate dealer rewards against a loyalty dataset containing **2M+ records**, eliminating manual eligibility verification and improving data integrity.
- Engineered Amazon Connect telephony workflows and AWS Lambda integrations to automate call routing, callback handling, and after-hours routing logic during a migration from Genesys to Salesforce.
- Designed and implemented a callback analytics workflow that measured callback completion times, enabling teams to identify bottlenecks and improve SLA performance.
- Built an Einstein Bot using Apex and Salesforce Flows to automate customer feedback collection, case creation, and conversational workflows within Salesforce.

PROJECTS

AI Sales Coach | *GPT4All, FastAPI, HTML, CSS, JavaScript*

Mar 2025 – July 2025

- Developed a full-stack AI coaching application that simulated real-time sales conversations using a locally hosted GPT4All large language model.
- Built a FastAPI backend and dynamic JavaScript frontend to support interactive conversation scenarios and real-time AI responses.

JSON Front-End Compiler | *Python*

Sept 2024 – Dec 2024

- Developed a recursive descent parser to perform lexical, syntactic, and semantic analysis of JSON input.
- Implemented tokenization, abstract syntax tree generation, and semantic validation with informative compiler error reporting.
- Validated compiler correctness using 10 automated test cases covering valid inputs and semantic error conditions.