

Carl Alvares

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Education

University of Toronto

BSc in Computer Science

GPA: 3.48/4.00

Graduated Dec 2021

Toronto, ON

Skills

Languages:

Python, Java, C/C++

SQL, JavaScript, VBA

Frameworks/Libraries:

PZero, Spring, Flask

React, jOOQ

Tools:

Git, Jira, Unix Shell, AWS

Coursework

Data Structures

Algorithms

Computability and Complexity

Software Engineering

Engineering Large Software Systems

Functional Programming

Parallel Programming

Databases

Computer Networks

Computer and Network Security

Awards

James Mason CS Medal

RBC Scholarship for Children

Links

GitHub: [carlalvares](#)

LinkedIn: [carlalvares](#)

Experience

Amazon

May 2021 – Aug 2021

Software Development Engineer Intern

Vancouver, BC

Buying Experience Architecture Team

- Designed a framework for collecting and rendering debugging information in any Amazon retail page powered by the next-generation **Server Experience Assembler (SXA)** architecture
- Implemented my framework in the **SXA microservices** using **Java** and **PZero** (an internal library based on **Reactive Streams**)
- Used **Java** and my framework to collect and render layout blueprint information for Amazon retail pages, which is a feature that will be used by **over 200 other engineering teams** at Amazon

CaseWare

Sep 2018 – Aug 2019

Software Developer Intern

Toronto, ON

AnalyticsAI Team

- Used **Java** and **Spring** to implement APIs in the **AnalyticsAI** product to retrieve and process financial data from a **PostgreSQL** database in order to conduct auditing tests and flag suspicious entries
- Added functionality to libraries used throughout CaseWare using **Java**, reducing code duplication and increasing maintainability

Alamos Gold

May 2017 – Aug 2017

Technology Analyst Intern

Toronto, ON

- Developed a project management application using **Excel VBA** macros to identify redundant tasks for the IT department

Projects

Fanlinc

2019

- Created a social network for cosplayers and fans using a **Java** and **Spring** back-end with a **Neo4j** graph database, allowing users to create accounts, make profiles, connect with each other and share posts to a news feed
- Utilized **JavaScript** and **React** for the front-end

SubTrakt

2019

- Built a Chrome extension using **JavaScript** to scrape billing dates and prices for subscription services in order to track commitments and send alerts when bills are due
- Won **third place** at **HackNYU 2019** in the Financial Empowerment track