

# Carl Alvares

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## Education

### University of Toronto

BSc in Computer Science

GPA: 3.38/4.00

Expected Dec 2021

Toronto, ON

## Skills

### Languages:

Java, Python, JavaScript

SQL, Cypher, C, VBA

### Frameworks/Libraries:

Spring, Flask, React, jOOQ

### Tools:

Git, Jira, Unix Shell, AWS

## Coursework

Data Structures

Algorithms

Engineering Large Software Systems

Software Engineering

Databases

Computer and Network Security

## Awards

James Mason CS Medal

RBC Scholarship for Children

## Links

GitHub: [carlalvares](#)

LinkedIn: [carlalvares](#)

## Experience

### CaseWare

Sep 2018 – Aug 2019

Software Developer Intern

Toronto, ON

- 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
- Made bug fixes to the various microservices that make up the **AnalyticsAI** back-end
- 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, with a front-end made using **Excel UI** elements, in order to reduce inefficiency in the IT department by identifying redundant tasks
- Configured **Solarwinds**, the company's network monitor solution, making use of filters, mailing lists and thresholds to reduce unwanted alerts by **80%** and increase the visibility of important alerts

## 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

### UofT CourseConnect

2019

- Developed an alternate website for courses at my school using a **Python** and **Flask** back-end with a **SQLite** database, allowing students and instructors to create accounts and view or update information relevant to them
- Utilized native **JavaScript** for the front-end