

# SEAN CANHAM

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## TECHNICAL SKILLS

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**COMFORTABLE:** C++, Java, C, PHP, JavaScript, HTML, SQL

**SOME EXPERIENCE:** Groovy, CSS, Ruby on Rails, Python, Scheme/Racket, GO, jQuery

**TOOLS:** AWS, Git, Jira, Jenkins, Atom, PHPStorm, Goland, Android Studio, Vim, Sourcetree

## WORK EXPERIENCE

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**Adknown, Software Engineering Intern**, Guelph, ON

Jan 2018 - Apr 2018

- Full stack web development of internal site used by company search engine marketers. Includes refactoring and improving existing features, as well as creating new features using PHP, JavaScript, jQuery, AJAX, Bootstrap, HTML, CSS, MySQL and various AWS services including EC2, RDS, and S3.
- Rewrote the automated daily domain registration job using GO, AWS Lambda and AWS Step Functions.
- Built a job failure notification Slack bot using Node.js, AWS Lambda, and Heroku.

**Royal Bank of Canada, Android Developer Co-Op**, Toronto, ON

Jan 2017 - Apr 2017

- Developed new features in RBC's mobile banking app, to be used by thousands of RBC's clients. Includes business logic written in Java, and UI components in XML using Android Studio IDE.
- Developed prototype features/products using Android Mobile Vision and Kairos libraries. Multiple projects were approved by management to be developed and released in the future.
- Wrote unit tests to cover business logic and core functionality of newly developed features using JUnit and Robolectric.

**BlackBerry, Software Tools Developer Co-Op**, Waterloo, ON

Jan 2016 - Apr 2016

- Managed and setup build configurations in Jenkins.
- Developed and refactored scripts to parse build information in Jenkins using Groovy.
- Extended internal REST API to add queries for new data collected by Groovy scripts.
- Performed various setups including Linux and Windows VM build slaves and a Sonar static code analysis server.

## PROJECTS

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**seancanham.ca**

Apr 2018

- A personal site to showcase work experience, projects, and personal interests built with HTML, CSS, JavaScript, and jQuery.

**Target Market Name Generator**

Aug 2017

- A tool written in Python that takes a description of an organization's target market as input, and returns an alliterative name. Inspired by BU362 (Marketing II).

**Museum Hunt**

Oct 2014

- A Pebble smartwatch app that quizzes the user about the details of museum artifacts based on the artifact they're currently viewing. Built using JavaScript and Cloud Pebble SDK. Winner of the Best Cultural Heritage Hack at YHack 2014.

**GTA Djibouti**

Jun 2014

- Co-created top down android mobile app version of Grand Theft Auto using Java, and LibGDX framework for graphics.
- Responsible for designing and implementing the virtual city and the movement of players within it using jBox2d for collisions, as well as co-development of game logic using OO design principles.

## EDUCATION

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**University of Waterloo, Bachelor of Computer Science, 4B**

2014 - 2019

- Relevant Coursework: Computer Networks, Algorithms, Operating Systems, Object-Oriented Software Development, Data Structures & Data Management, Computer Organization and Design, Statistics

**Wilfrid Laurier University, Bachelor of Business Administration, Finance/Marketing, 4B**

2014 - 2019

- Relevant Coursework: Investment Management, Financial Management I & II, Marketing I & II, Operations I & II, Organizational Behaviour I & II, Financial & Managerial Accounting, Business Law, Macroeconomic Analysis for Management