



Ashley Barkworth

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EDUCATION

University of British Columbia | Expected April 2020

B.Sc. Computer Science (Honours) with Co-op

Cumulative GPA: 4.32/4.33 | Dean's List 2017

WORK EXPERIENCE

Grow Technologies Inc. | Junior Software Engineer (Co-op)

May 2018 - Aug 2018

- Worked on backend web application development for Grow's enterprise SaaS banking solutions primarily using **Java**, **Python**, **JSON**, and **Google Cloud Platform**
- Created **REST API** endpoints to transfer data between backend and frontend
- Reported and resolved bugs and other issues from QA using **Jira**
- Refactored the product configuration data model that define Grow's banking products

Statistics Canada | Systems Development Programmer

Sep 2017 - Apr 2018

- Part of an **agile** team developing a **Spring MVC** web application with **Java**, **JSP**, and **XML** and testing my code with **JUnit** and **Mockito**
- Designed and coded algorithms for data parsing, normalization, and validation
- Implemented internationalization of the web app to support English and French using **resource bundles**, **HTML**, and **XML**
- Automated creation of data integrity reports with **MS SQL Server**, **SQL**, and **SSIS**

SKILLS

Languages

Java, Python, SQL, C/C++, Go, HTML/CSS/XML

Tools and Frameworks

Git/Gitlab, Google Cloud Platform, MS SQL Server, SSIS

PROJECTS

Modern Baby Online | VanHacks (<https://modernbaby.online>)

Sep 2018

- Inventory management and CRM web app developed for BabyGoRound, a volunteer organization in Vancouver that provides essential items for infants

Technologies Used: Go, React, AWS, MongoDB, Calendly API, Material UI

Image Saver Reddit Bot

Aug 2018 – Sep 2018

- Python script that scrapes the top image submissions from subreddits, performs optional image transformations, and saves images to a directory

Technologies Used: Python, PRAW, Python Imaging Library (PIL)

ashleybarkworth.github.io

Feb 2017

- Lists the ATP and WTA tennis schedule, rankings, and news

Technologies Used: HTML, CSS, JavaScript, Bootstrap, GitHub Pages, Jekyll

LEADERSHIP EXPERIENCE

BC Soccer | District Referee

Apr 2011 - present

- Enforce the laws of the game and maintain the safety of players and spectators