



Patrick (Wesley) Ferguson

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Education

4th year BA in Computer Science, University of British Columbia

Expected January 2021

- 4.0/4.3 overall GPA, 86.5% average
- Dean's List 2017, Trek Excellence Scholarship 2018, Student Scholarship in Arts 2018

Experience

Junior Quality Assurance Engineer (Co-op)

January - August 2019

Trulioo

- Participated in the architecting, design, and implementation of an automation test framework using C# for a multi-tier microservice based web application
- Improved a nightly regression test suite's runtime by 52% through optimizing Selenium scripts in C# and implementing a new API-based system for verifications
- Worked with senior QA and DevOps members in order to integrate the automatic deployment of the nightly regression test run using Teamcity and Octopus
- Mentored and trained a new employee to reach similar productivity as the rest of the team within 2 weeks
- Used JMeter to run load tests and automatically log results into CSV files

Projects

Jean Around the World

Summer 2019

jeanaroundtheworld.herokuapp.com | <https://github.com/denim-squad/jean-around-the-world>

- Full-stack web app that allows a user to plan a trip within minutes
- Built using Meteor, React, Redux, and MongoDB
- Used Google Maps and Places APIs to create and display trips based on selected parameters
- Deployed using Heroku and set up a multiple environment pipeline

Itty Bitty Library

Summer 2018

- Created and translated an ER diagram to a Java Application simulating a library collection
- Connected to and modified a remote Oracle SQL database using the JDBC API library
- GUI allowed for executing/displaying dynamic SQL queries based on user-submitted information

Technical Skills

Languages

- Java, JavaScript, HTML, CSS, C#, SQL, C, C++

Tools/Frameworks

- Git, React, Meteor, Redux, JUnit, Mocha
- Unix/Linux, Jira, TestRail, Bitbucket, GitHub, JetBrains IDEs, Visual Studio, Visual Studio Code