

Brendan DSouza

4A Computer Engineering

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List of Qualifications

- Intermediate experience with computer programming in Java, and JavaScript ES6 with AngularJS.
- Member of a full stack development team, which built and solved bugs related to a web application.
- Advanced knowledge in building and querying databases in MySQL.
- Problem solving and analytical skills developed by working as a member of a validation team.
- Knowledge and hands-on experience in operating on Unix-based Operating Systems.

Experience

Software Developer, Ultimate Software, Toronto, Ontario

September 2018 – December 2018

- Added functionality to the full stack of the web application using Java and JavaScript with AngularJS.
- Resolved frontend and backend bug and feature tickets posted on JIRA.
- Investigated methods to increase queue performance in RabbitMQ as a side project.

Software Test Engineer, Ultimate Software, Toronto, Ontario

January 2018 – April 2018

- Created and documented automated tests using Junit5 framework.
- Built a strong foundation in the User Interface testing framework using Selenium and Junit5.
- Updated and documented software-related issues on JIRA.

Product Verification Specialist, Evertz Microsystems, Burlington, Ontario

May 2017 – August 2017

- Created and documented test cases for various hardware and software products.
- Debugged Python code to narrow down the source of a bug.
- Troubleshoot and solved various network-related issues in-house that surfaced when setting up test environments and reproducing issues.

Education

Candidate for Bachelor of Applied Science,

4A Honours Computer Engineering

University of Waterloo, Waterloo, Ontario

September 2015 - Present

Relevant courses: Distributed Computing, Cooperative and Adaptive Algorithms, Database Systems, Computer Networks.

Ontario Secondary School Diploma

Holy Trinity Secondary School, Oakville, Ontario, 2015

June 2015

Projects

Command Line Interface Social Network

April 2019

Worked in a group to build a Java CLI client that used a MySQL database to support the basic functionalities of a social network such as creating and commenting on posts and following friends.

Simulating queue behavior in a CSMA/CD network

March 2019

Built a Java application to simulate and measure key metrics in a Carrier Sensing Multiple Access with Collision Detection (CSMA/CD) computer network.

Step counter and Shortest path Android app

July 2016

Worked in a group to create an Android app in Java that would determine the shortest path between two user-defined points and would use sensors to determine the displacement from the original position.