Brendan D'Souza

2B Computer Engineering
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List of Qualifications

- 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.
- Intermediate experience with computer programming in Java, C/C++, and Python.
- Experience working as a member of an IT helpdesk team, troubleshooting PC hardware and software issues.

Experience

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.
- Troubleshot and solved various network-related issues in-house that surfaced when setting up test environments and reproducing issues.

Product Verification Specialist, Evertz Microsystems, Burlington, Ontario **September 2016 – December 2016**

- Member of the validation team, worked with other members of the team to solve software-related issues experienced by various customers.
- Created test environments to reproduce bugs in software and verified that patches fixed the bug.
- Operated on Linux/Unix OS, and created servers on virtual machines using VMware.
- Updated and documented software-related issues on JIRA.

Information Technology, Branksome Hall, Toronto, Ontario **January 2016 – April 2016**

- Communicating with staff and students to troubleshoot computer-related issues.
- Worked on a PowerShell script that solved a specific Windows 8.1 issue and used a virtual machine for testing.
- Member of the IT team that solved tickets relating to technology all around the school.

Education

Candidate for Bachelor of Applied Science,
2B Honours Computer Engineering
University of Waterloo, Waterloo, Ontario **September 2015 - Present**

Relevant courses: Operating Systems, Embedded Microprocessors, Signals and Systems, Electronic Systems 2

Ontario Secondary School Diploma
Holy Trinity Secondary School, Oakville, Ontario, 2015 **June 2015**

Projects

Simulating a WAMP Router **July 2017**
Simulated a WAMP router on a Windows machine to reproduce the issue of a 3rd-party device failing to subscribe to a Python script.

Shortest path between nodes **December 2016**
Created a C++ header file that finds the shortest path between nodes on a weighted graph using Dijkstra's algorithm.

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.