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## Summary of Skills

### Languages:

- C++ || Java || Python || HTML/CSS || JavaScript / JQuery || Batch || Shell || XML || MSSQL / JDBC

### Technical Knowledge:

- Object-oriented programming
- Able to work with larger scale build and test suites for software construction and validation
- Familiar with both MS-DOS and Unix-style terminals/command lines
- Knowledge of common search and sort functions with trees, heaps, and linked lists
- Capable of constructing web-based tools with template engines and other frameworks

### Non-Technical Skills:

- Well-organized in terms of data storage, deadline management, and archiving tasks
- Patient when analyzing, breaking down, and dealing with problems
- Strong ability to teach and relay knowledge through spoken and written communication
- Adaptable to various roles and duty switches on short notice

### Operating Systems and Familiar Tools

Operating Systems	Environments and Editors	General Tools
Ubuntu Linux 12.04 LTS - Server	Microsoft Visual Studio 2010, 2013	Jenkins CI Server (formerly 'Hudson')
Microsoft Server 2008 R2	Eclipse	Git 1.8.1, Mercurial (hg)
Red Hat, Oracle Enterprise Linux	Processing	VMWare vSphere 5.1
<b>Personal Operating Systems</b>	ADB Shell	Apache Maven, Ant
Windows XP, 7, 8.1	Oracle SQL Developer	Xen CLI and Citrix XenServer
Ubuntu 14.04, Debian7 (CrunchBang)	Notepad++	Adobe CS5 Master Collection
CM11, PA4.6, OmniROM (Android)	VIM (work in progress)	Microsoft Office 2007, 2010, 2013

## Work Experience

### Software Developer Co-op – Test Automation Team

January 2014 – August 2014

Tantalus Systems, Burnaby, BC

- Created Ubuntu 12.04 virtual machines for use as test/build slave machines
- Maintained and upgraded OEL virtual machines for use in the regression and automation test teams
- Learned the basics of VM management with legacy Xen CLI – migrating, cloning, and kickstarting hosts
- Briefly explored server rack maintenance including hard drive replacement and RAID reconfiguration
- Evaluated issues with the current automation tools, including dated Jenkins installs and incompatible plugins
- Implemented a test summary e-mail script to comb and report test results based on their status in JIRA
- Met and planned with team to plan the construction of web frontend to an in-house simulation library
- Built a web interface using HTML/CSS, JQuery, and Python's 'Bottle.py' library
- Fulfilled the need for extra support in manual regression testing for a single 2-week sprint
- Communicated with developers across many teams to break down 'knowledge silos' and revitalize the wiki

## Work Experience - Continued

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### Software Developer Co-op – BES Continuous Integration Team

January 2013 – August 2013

BlackBerry, Waterloo, ON

- Carried out upgrades and maintenance to centralized build server for several development teams
- Tracked build and test progress of Mobile Device Management (MDM) packages
- Found solutions used for hosted BES server and database issues with other developers
- Created, managed, and replicated virtual machines for developer test cases
- Deployed server and database artifacts through Apache Maven and Jenkins
- Uploaded, processed, and submitted changes to Git repositories through Gerrit Code review
- Read and modified various XML files to properly construct and deploy build artifacts through automated tools

## Project Experience

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### Documentation / Quality Assurance

April 2012 – August 2012

Field Scout iPhone Application, SFU

- Planned and documented the development of an iOS application to be used to share field trip information across educational institutions
- Coordinated with developers and team lead to log bugs and submit issues back to team
- Logged minutes of meetings and sent reminder e-mails regarding deadlines and desired goals to team
- Managed team member schedules to plan and hold live and Skype call meetings
- Prepared and participated in live presentations and question sessions to audiences of ~40 people

## Community Engagement

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### Executive at Large

July 2012 – December 2012

Computing Science Student Society

- Maintain integrity of CSSS property, including the Coca-Cola machine, printer, and furniture, to ensure returning visits of paying students for services as well as comfort to students in the Common Room
- Available to other executives in the society in case of unexpected workload or emergency for quick and effective solutions, including router and printer terminal issues

## Education

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Bachelor of Science at Simon Fraser University

September 2010 - Present

- **Major:** Computing Science
- **Minor:** Interactive Art and Technology

## Interests

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Current hobbies include analogue and digital art, exploring operating systems and software, badminton, and archery. As of late I've taken to browsing Linux distributions, flashing Android custom ROMs, assembling Gundam models, and sketching character concepts and armor designs in my spare time.