

WILL SON

University of Waterloo – 3A, Bachelor of Computer Science – 20420487

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SUMMARY

8 months co-op experience as Software QA at Blackberry working in the same way as full-time employees; work involved developing/executing test cases, reporting defects and verifying the fixes. Gained solid understanding of the software development life-cycle, database and communication skills.

4 months co-op experience as Junior Software Engineer at Synopex, a hardware supply company for Samsung smartphones; gained strong analytical skills and a broad range of hardware knowledge

Fast learner; Willing to learn and take challenges

Flexible team player; Excellent communication skills

COMPUTER SKILLS

Languages:

- Proficient in C and C++ (Objective Oriented design)
- Working knowledge of HTML/CSS, JavaScript, Bootstrap, jQuery, Python, SQL

Software & Others:

- Proficient at using Jira, Jenkins, MATLAB and MS office (Excel, PPT, Word)
- Source/version controls: SVN and Git
- Database: MS-SQL
- IDE/Text editor: Vim, Sublime Text and MS Visual Studio
- Others: Working knowledge of Adobe Photoshop, designing UML, code management and test automation (using bash script)

OS:

- Proficient at UNIX/Linux, MAC OS, and Windows

WORK EXPERIENCE

Jan '14 – Apr '14; Software Test Associate, Co-op, *Blackberry*

Sep '14 – Dec '14

- Key responsibilities: executing test cases, log defects, developing test cases and verifying the fixes with developers; dedicated myself to the launch of the software BES12 (participated in three different feature teams during the 8 months)
- Tests were mostly specification-based blackbox testing done by modifying database, checking server/device logs, using various mobile platforms: Android, iOS, Windows, BB10; improved attention to the details
- Worked in the Agile (scrum) development process
- Worked in the cross-functional team environment; gained good communication skills

- Jan '13 – Apr '13 Junior Software Engineer, *Synopex Inc*
- Key responsibilities: analyzed the codes for gesture motion sensor written in C, maintained and documented software changes, and presented the reports to the team members and other teams.
 - Was also responsible for the communication of international collaborative development project (direct translation from English to Korean and Korean to English)
 - Conducted investigations of failure/deviations for finished products, in-process materials, and raw materials
 - Gained extensive in-depth knowledge about smartphone hardware (including TSP, Key PBA, FPCB and 3D touch sensor)

EDUCATION

Sep '11 – Apr '17 Bachelor of Computer Science, *University of Waterloo*
(expected)

Relevant courses:	Computer Science:	Mathematics:
	• Object-Oriented Software Development	• Calculus 1, 2, 3
	• Computer Organization and Design	• Optimization
	• Elementary Algorithm Design and Data Abstraction	• Linear Algebra 1, 2
	• Computational Mathematics	• Combinatorics
	• Logic and Computation	• Statistics
		• Probability

PROJECTS

Square Swapper 5000 (match-three style puzzle game such as Candy Crush Saga)

- Worked as group of two written in C++ using various design patterns.

Flood It (the object of the game is to 'flood fill' the board with the same colour)

- Implemented in graphical display in C++ using observer design.

Image Compression (compute a compressed image from original image)

- Implemented by dropping Fourier coefficient for a given tolerance.

Personal Portfolio Website (on progress): <http://dongwoo1005.github.io/>

ACTIVITIES & INTERESTS

Learning new programming languages/skills

Weight-lifting

Playing/listening music

Playing games