

# WILL SON

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

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## SUMMARY

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8 months co-op experience as Software QA at Blackberry working in the same way as full-time employees in an agile (scrum) software development environment; work involved developing/executing test cases, reporting defects and verifying the fixes.

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

Fast learner; Willing to learn and take challenges

Flexible team player

Excellent communication skills

## COMPUTER SKILLS

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Languages:

- Proficient in C, C++ (Objective Oriented design), Python and Scheme (Racket)

Software:

- Experience of using Microsoft SQL at work
- IDE/Text editor: Microsoft Visual Studio, Sublime Text, Vim
- Experience of using source controls (SVN, GitHub: <https://github.com/dongwoo1005>)
- Proficient at using MATLAB (Computational Mathematics skills)
- Expert on Microsoft office (Excel, PPT, Word)

OS:

- Proficient at using UNIX/Linux (shell commands/writing scripts) and MAC OS
- Expert for Windows

## WORK EXPERIENCE

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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; required attention to the details
- Worked in the Agile (scrum) development process
- Worked in the cross-functional team environment; required 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

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

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

- Currently working on it in the team of two

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.

Reference: <https://github.com/dongwoo1005>

## ACTIVITIES & INTERESTS

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Weight-lifting

Playing/listening music

Playing games