WILL SON

University of Waterloo – 3A, Bachelor of Computer Science | #49 – 461 Columbia St. W, Waterloo

(226) 989 3230 | d3son@uwaterloo.ca | http://dongwoo1005.github.io/

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

TECHNICAL SKILLS

Languages:

· Proficient in C, C++ (OOP), MATLAB and Scheme/Racket (Functional Programming)

· Working knowledge of front-end programming (HTML/CSS, JavaScript, jQuery)

· Script language: Bash, Python / Database (RDBMS): MySQL, MS-SQL Server

Software & Others:

· Source/version controls: SVN, Git and GitHub

· Proficient at using Jira and MS office (Excel, PPT, Word)

· IDE/Text editor: Vim, Sublime Text, Brackets and MS Visual Studio

· Others: Working knowledge of Adobe Photoshop, Jenkins, designing UML, code
  management and test automation

OS:

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

WORK EXPERIENCE

Jan '14 – Apr '14;
  Sep '14 – Dec '14

Software Test Associate, Co-op, *Blackberry*

· 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)

PROJECTS

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

- Worked as group of two using SVN, written in C++ in OOP way 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 in MatLab by dropping Fourier coefficient for a given tolerance.

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

EDUCATION

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

Relevant courses:

Computer Science:

· Object-Oriented Software Development

· Computer Organization and Design

· Elementary Algorithm Design and Data Abstraction

· Computational Mathematics

· Logic and Computation

Mathematics:

· Calculus 1, 2, 3

· Optimization

· Linear Algebra 1, 2

· Combinatorics

· Statistics

· Probability

ACTIVITIES & INTERESTS

Learning new programming languages / technologies

Fashion / Music / Game / Weight-lifting