

# Dallas Richardson

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## SKILLS

### PROGRAMMING LANGUAGES

C/C++ • Java • Python • HTML • CSS • Javascript  
Scheme • Haskell • SML • MySQL • XML • JSON

### TOOLS

Vim •  $\text{\LaTeX}$  • Git • Shell • GDB  
Microsoft Office Products (Word, Excel, PowerPoint)  
iWork Products (Numbers, Pages, Keynote)

## PROJECTS

### WHAT SHOULD WE | ANDROID APP

Jan 2016 - Present

- App to create anonymous polls to help groups of people make a decision; for example where to eat, or what movie to watch
- Worked with a team of four to develop app from scratch
- Developed both the client application in Java and XML and the server application in Python
- Was responsible for facilitating communication between the client and the server
- iOS version currently in development
- Source available upon request

### PERSONAL WEBSITE

July 2015 - Present

- Designed and implemented a website for personal use
- Used HTML, CSS, and the Bootstrap framework
- Source available on GitHub

### PROGRAMMING CHALLENGES

May 2015 - July 2015

- Completed three programming challenges each week for three months; one easy, one intermediate, and one hard
- Easy challenges were completed in Python in order to learn and become more familiar with the language
- Sharpened problem solving skills, since there was little guidance given for each challenge
- Challenges available on GitHub

### TETRIS | UNIVERSITY PROJECT

December 2013

- Implemented a simple version of the game Tetris using C++ and X11
- Used inheritance to create the seven different types of blocks
- Used a modified observer pattern to draw the blocks on the board
- Source available upon request

## EDUCATION

### UNIVERSITY OF WATERLOO | BACHELOR OF COMPUTER SCIENCE

Expected June 2016 | Waterloo, ON

Graduating With Distinction • Cumulative Average: 87% • Major Average: 86%