

# TIMOTHYTONG

**timothytong.com**

**uWaterloo**  
2B COMP ENG.

## Applied.

iOS (**Swift**, **Objective-C**)  
Android (**Java**)  
**JavaScript**  
(+AngularJS, jQuery)  
**HTML/CSS** (+less)

## Familiar.

**Ruby** on Rails  
ARM (**Assembly**)  
**C**, **C++**, **C#**  
FPGA board (**VHDL**)  
**Python**

## Technologies.

**git** (+GitX), vim, bash  
Webstorm, IntelliJ  
Xcode, Android Studio  
Chrome debugger

## Hello.

me@timothytong.com  
github.com/timothytong  
linkedin.com/in/kyttong

## Awards.

**Dean's Honour List**  
(1A, 1B, 2A)  
**First in Class**  
(1B)

## Experience.

01/15 - 05/15  
04/14 - 08/14

### PIVOTAL LABS – [Agile Dev]

- Worked on the front end side of a business banking webapp for a major Canadian bank
- Participated in the development of an Android app that uses MVVM
- Practiced pair programming and Test Driven Development
- Technologies involved: Android, Liaison MVVM Library, AngularJS, HTML/LESS, Chrome debugger

### VELLO – [iOS Dev]

- Implemented a video slider to enable users to choose videos from camera roll, which will then be automatically trimmed, cropped, rotated, and imported
- Implemented lazy loading programmatically
- Troubleshot memory issues using profiler
- Responsible for new app features from v.2.03 through 2.10
- Worked on push notifications on server side (LAMP stack)

## Projects.

### FlashKards – [iOS]

<https://appsto.re/i6Lp69X>

- An app that enables users to create and customize their own flashcards with text and images, uses CoreData.

### DMCalc – [iOS]

<https://appsto.re/i6LF4Qx>

- A powerful tool written to assist students in solving discrete math problems such as Linear Diophantine Equations and congruence
- Developed algorithms with knowledge obtained from ECE 103 course

### Thalmaps – [iOS + Myo]

[www.youtube.com/watch?v=bhihb6\\_LsEs](http://www.youtube.com/watch?v=bhihb6_LsEs)

- An app that translates sensor data collected in a Myo to corresponding gestures in Apple Maps to enable hands-free control
- Written at a Hackathon

### Zombie Killing Spree – [Java]

[www.greenfoot.org/scenarios/4063](http://www.greenfoot.org/scenarios/4063)

- A zombie-killing game written in Java, using an IDE called GreenFoot.