

# timothytong

2A Computer Engineering

## languages

applied:

**Objective-C, Swift**

**Java** + Android

**CSS3 & HTML5**

PHP, C#, VHDL

learning:

**MATLAB, C++, JavaScript**

(jQuery, Backbone,

Node)

ARM + Assembly

language

## environments

Xcode

Windows, **OSX**, Linux

**Eclipse**, Android Studio

BlueJ, Greenfoot

Visual Studio

## about

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timothytong.com

github.com/timothytong

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## experience

04/14 - 08/14 **iOS Developer**

VelloApp Inc.

- Designed and created a video import slider to enable users to choose videos from their own video libraries, which will then be automatically trimmed, cropped, rotated if necessary, and imported
- Implemented lazy loading and auto-layout when building ViewControllers
- Responsible for most of the UI changes and new app-side features from v2.03 to v2.10
- Troubleshoot more advanced memory issues using various techniques
- Worked on push notifications on server side (LAMP stack)

## projects

### • DMCalc - iOS

- A simple yet powerful tool designed and written to assist users in solving discrete mathematics problems such as Linear Diophantine Equations and congruence
- Applied knowledge obtained from ECE 103 and self-taught learning of Objective-C
- [itunes.apple.com/ca/app/discrete-math-calculator/id846170613?mt=8](https://itunes.apple.com/ca/app/discrete-math-calculator/id846170613?mt=8)

### • Thalmaps - iOS + Myo

- Developed in 36 hours with the Myo SDK during **Hack the North**
- Translated sensor data collected in the Myo to corresponding gestures in Apple Maps to enable hands-free control
- [youtu.be/bhihb6\\_LsEs](https://youtu.be/bhihb6_LsEs)

### • DMCalc - Android

- An Android-translated version of DMCalc
- Written and built using Android Studio, powered by IntelliJ platform
- [play.google.com/store/apps/details?id=com.victorszeto.dmcacalhl=en](https://play.google.com/store/apps/details?id=com.victorszeto.dmcacalhl=en)

### • Zombie Killing Spree - Java

- A game written using an IDE called Greenfoot
- [greenfoot.org/scenarios/4063](https://greenfoot.org/scenarios/4063)

## education

09/13 - Now **BASc** Honours Computer Engineering

*Co-operative Program*

University of Waterloo

## awards

2014

### Dean's Honour List

University of Waterloo

Awarded for outstanding academic achievement in 1A (Fall 2013) and 1B (Winter 2014) terms

Ranked #1 in 1B Computer Engineering (Winter 2014 term)