timothy**tong**

2A Computer Engineering

languages

Applied:
Objective-C, **Swift**
Java + Android
CSS3 & **HTML5**
jQuery, JavaScript
PHP, C#, VHDL
ARM + Assembly

Familiar with:
MATLAB, C++
Backbone

contact

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environments

Xcode
Windows, **OSX**, Linux
Eclipse, Android Studio
BlueJ, Greenfoot
Visual Studio

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
— Troubleshot 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
  — DMCalc 2 (Swift) in development
  — 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

- **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.dmcalchl=en

- **Zombie Killing Spree - Java**
  — A game written using an IDE called Greenfoot
  — greenfoot.org/scenarios/4063

education

09/13 - Now   **BASc** Honours Computer Engineering   University of Waterloo
              Co-operative Program

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)