

# Joshua Ching

Systems Design Engineering Student, University of Waterloo

joshuaching.me  
github.com/joshuaching  
ca.linkedin.com/in/joshuaching  
joshua.ching@uwaterloo.ca

## Technical Skills

### Languages

JavaScript  
HTML5  
CSS3  
Java  
C++

### Libraries

Socket.io  
D3.js  
Less.js  
jQuery  
Android

### Tools

Git  
SVN  
Bash  
JIRA  
Vagrant  
Drupal CMS  
OmniGraffle

## Education

Candidate for BAsC  
Systems Design Engineering  
University of Waterloo  
(2018 expected)

### Relevant Courses:

Data Structures and Algorithms  
Digital Computation (C++)  
Human Factors in Design  
Introduction to Design  
Introduction to Systems Design

## Work Experience

### Web Developer and Themer

Aug - Dec 2014

*Ontario Institute for Cancer Research*

- Won internal Hackathon developing Front-End of a web-ssh application
- Extended, integrated, and documented internal client-side JavaScript APIs
- Designed and developed websites for Principal Investigators
- Engaged in user interface reviews to improve end user satisfaction

### Web Developer and Themer

Jan - Apr 2014

*Ontario Institute for Cancer Research*

- Won internal Hackathon developing automated web presentation with dynamic content (see project IBC TV Screen below for details)
- Implemented email and static templates
- Gathered requirements to produce wireframes using OmniGraffle
- Conducted thorough browser-compatibility, usability, and security tests enabling team to produce higher quality software

### Android Developer

Sep 2014 - Present

*Knowledge Makes Cents*

- Built Front-End prototype of Android application for money management
- Suggested solutions for user experience issues with user interface
- Analyzed client's goals to define technical requirements and designed for possible solutions

## Projects

### Mini Brawl, In Progress

<https://minibrawl.herokuapp.com>

A multiplayer online web game that allows users to compete in real time

- Tools: Socket.io, Canvas, JavaScript

### IBC TV Screen

<https://github.com/RaunaqSuri/ibctvscreen>

Automated web presentation to improve the culture of the OICR by dynamically displaying data related to department individuals and projects

- Tools: GitHub API, D3.js, Reveal.js, jQuery library, JavaScript

### jPlayer, on Google Play

<http://joshuaching.me/jplayer>

An Android application that allows users to browse their music without touching their device through the use of the device's proximity sensor.

### Browser Text

<https://github.com/JoshuaChing/BrowserText>

An Android application that allows users to send text messages via the desktop web browser through the use of an embedded Jetty server

### 4 Squares, on Google Play

<http://joshuaching.me/4squares>

An Android game for leisure that challenges the user's reaction to colours

## Interests

Breakdancing, Ultimate Frisbee, Board Games, Guitars, Drums