JOSHUA CHING

Systems Design Engineering Student, University of Waterloo

joshuaching.com
github.com/joshuaching
ca.linkedin.com/in/joshuaching
me@joshuaching.com

Technical Skills

Languages
JavaScript
HTML5
CSS3
Java
C++

Libraries
Socket.io
D3.js
Less.js
jQuery
Android

Tools
Git
Bash
JIRA
Jenkins
Heroku
Eclipse
Vagrant
Genymotion
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

Work Experience

Software Engineering Intern   May - Aug 2015
Zynga
- Feature implementations, analytics integration upgrade, and debugging on Word Streak With Friends Android (formerly named Scramble)
- Prototyped and pitched game concept to game studio manager and team, received positive reception and is under consideration
- Integrated bash script with jenkins to improve build procedure by 20%

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

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)
- Conducted browser-compatibility, usability, and security tests
- Managed 4 websites concurrently using Drupal's CMS

Freelance Android Developer   Sep 2014 - May 2015
Knowledge Makes Cents
- Built Front-End prototype of Android application for money management
- Conducted user experience reviews on user interface design with client

Projects

Mini Brawl   minibrawl.herokuapp.com
A multiplayer online web game that allows users to compete in real time
- Tools: Socket.io, Canvas, JavaScript, Heroku

IBC TV Screen   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

Browser Text   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

jPlayer, *on Google Play*   joshuaching.com/jplayer
An Android application that allows users to browse their music without touching their device through the use of the device's proximity sensor.

4 Squares, *on Google Play*   joshuaching.com/4squares
An Android game for leisure that challenges the user's reaction to colours
- Tools: Google Play SDK, Chartboost SDK

Interests

Ultimate Frisbee, Dancing, Audio Recordings, Guitars, Drums, Board Games