

# JEFFREY HUANG

## Software / Web Developer

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## Qualifications

- Advanced experience with object-oriented programming and web development utilizing C#, Java, JavaScript, PHP, HTML5, CSS3, and Drupal in both Windows and Mac operating systems
- Knowledgeable in MVC design methodology through front-end development with AngularJS and JQuery; back-end experience include building RESTful APIs in Node.js, MySQL, and MongoDB
- Experienced with both native and hybrid mobile app development
- Effective individual and team worker, proven through a wide array of personal and group-based projects through the use of Git, Subversion, and JIRA

## Work Experience

Aug 2015 - **Software Developer**

Dec 2015 *Canadian Tire Innovations Lab, Kitchener ON*

- Developed mobile apps using a full JavaScript and CSS Stack (AngularJS, Bootstrap, Cordova)
- Contributed to the development of Canadian Tire's IoT framework, which includes the Smart Barrel and Smart NOMA Lights
- Built RESTful API services to support mobile applications in Express/Sails and MongoDB.

Jan 2015 - **Web Applications Developer**

May 2015 *Ontario Institute of Cancer Research, Toronto ON*

- Created and maintained websites using Drupal CMS and LAMP Stack
- Contributed to the development of the National Cancer Institute: GDC and Global Alliance for Genomics and Health websites
- Worked on both the front-end (HTML5, CSS3, JavaScript) and back-end (PHP, MySQL) of various projects

## Personal Projects

**Jarvis [C++, AngularJS, Cordova, BLE 4.0]** - [devpost.com/software/jarvis-kfw924](https://devpost.com/software/jarvis-kfw924)

- Winner of Hack the North 2015
- Created a mobile application to provide a personalized hands-free navigational assistant for cyclists

**Aria [MEAN Stack, Machine Learning]** - [devpost.com/software/aria-concierge-ai-travel-agency](https://devpost.com/software/aria-concierge-ai-travel-agency)

- Runner-up for Yale Hackathon 2015
- Developed an intelligent travel agent using data from Facebook's API, JetBlue's flight data, and TripAdvisor's travel data

**Draw [Socket.IO, jQuery, Nodejs]** - [guessmyword.xyz](https://guessmyword.xyz)

- Implemented a real-time multiplayer interactive drawing game where players take turns drawing and guessing each other's sketches

**Peer Connect [Swift, Socket.IO, Nodejs, MongoDB]** - [github.com/Jeffhuang1/peer-connect](https://github.com/Jeffhuang1/peer-connect)

- Currently producing a mobile application to connect students with each other to provide additional studying opportunities

**Tower Ball [C#, Unity, Nodejs, MongoDB]** - *Available on the App Store and the Google Play Store*

- Created a Unity game where users try to balance a ball on top of a windy tower

**Connect 4 [HTML, CSS, JavaScript]** - [jeffreyhuang.ca/connect4/connect4.html](http://jeffreyhuang.ca/connect4/connect4.html)

- Developed an in-browser local multiplayer Connect 4 game with AI support

## Skills

### JavaScript

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### Java

██████████████████

### C#

██████████████████

### Python

██████████████████

### C++

██████████████████

### Swift

██████████████████

### Nodejs/Express/Sails

██████████████████

### MongoDB

██████████████████

### MySQL

██████████████████

### Git and SVN

██████████████████

### JIRA/Confluence/Trello

██████████████████

## Educations

Sep 2014 - **University of Waterloo**  
May 2019 *Bachelor of Applied Science*  
*Computer Engineering*

## Interests

### Computer Science Club

- Works together with members to promote computer science at the University of Waterloo
- Club members meet weekly to share knowledge in computer programming

### Chess Club

- Organized club meetings and tournaments as an executive member
- Worked closely with members through hosting tutorials on advanced chess strategies