

# CHARLIE ZHANG

2A SOFTWARE ENGINEERING | WATERLOO, ON

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## TECHNICAL QUALIFICATIONS

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**Proficient:** Java, JavaScript, Backbone.js, HTML5, CSS3, Bootstrap, MySQL, WordPress

**Familiar:** Node.js, Express, AngularJS, React, Redux, Android, PHP, Scala, C#, MongoDB, libGDX

**Tools:** Git, Postman, Eclipse, IntelliJ IDEA, Android Studio, Unity

## WORK EXPERIENCE

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### Software Developer, Vena Solutions

May – August 2016

- Launched a new responsive careers site using a custom **WordPress** theme developed from scratch, increasing the number of applicants and visibility of job postings (careers.venasolutions.com)
- Implemented over 10 new features in the frontend and backend using **Backbone.js** and **Java**
- Developed and debugged a large scale extension of an existing feature that would allow more flexibility and a better user experience
- Wrote detailed tests for **API** and unit testing using **Postman** and **JUnit** to allow for daily deployments

### Programmer, Mikutech

Oct 2013 – Aug 2014

- Implemented a **PHP** web service that processed and displayed error logs from a **Redis** server
- Developed the basic cutscene mechanics and UI of an **ActionScript 3** game (www.cupkinsgame.com)
- Wrote a **PHP** script that sent a daily/weekly email report generated with the **FogBugz API**

## PROJECTS

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### Vertical Shooter Game

Jan 2016 - Present

Space shooter **Android** game made in **Java** with **libGDX** that features unique enemies and power-ups

### Scary Bears VR – Hack the North 2016

Sep 2016

Cardboard game built with **Unity** and **C#** where the player must survive a horde of undead teddy bears

### Know Yourself – Hack the 6ix 2016

Aug 2016

Web app built with **Angular**, **Express**, and **Bootstrap** that uses the **Facebook SDK** and sentimental analysis to analyze your profile and calculate and display interesting statistics/facts

### MyoMusic – EngHack 2015

Nov 2015

Rhythm game built with **Myo.js** where players dance to songs using the tracking of the **Myo armbands**

### Voyagr – Hack the North 2015

Sep 2015

Utilized **Google Drive**, **Picker**, and **MapBox APIs** to create a location-based blog with an interactive map

### GetOut!

July 2015

Web app built with **PHP/Bootstrap** that allows users to chat and friend others based on similar interests

All projects can be found on my *Github* and *website*

## EDUCATION

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### University of Waterloo, Waterloo, ON

2015 – Present

Candidate for Bachelor of Software Engineering

## ACTIVITIES

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### SHAD Fellow, SHAD Program

Jul 2015

### Graduate, Dale Carnegie Training

Sep – Dec 2014