

CHARLIE ZHANG

2A SOFTWARE ENGINEERING

charlie@charliezhang.xyz ✉

charliezhang.xyz 🌐

luoyang9 🐙

luoyang9 in

TECHNICAL QUALIFICATIONS

Languages: Java, JavaScript, PHP, C++, C, Scala, SQL

Web Development: ES6, Angular, Backbone, React, Redux, jQuery, Sass, Handlebars, Webpack, WordPress

Backend Development: Node.js, Express, MySQL, MongoDB

Tools: Git, Bash, Vagrant, Postman, Eclipse, IntelliJ IDEA, Android Studio, Unity

WORK EXPERIENCE

Software Developer at Vena Solutions

May – August 2016

Java, Backbone, JavaScript, MySQL, WordPress

Toronto, ON

- Launched a new responsive careers site using a custom WordPress theme developed from scratch while actively collaborating with department heads and attending weekly meetings/demos
- Implemented over 10 customer requested features in the frontend and backend using Backbone and Java
- Developed a large scale extension of an existing feature that included a schema upgrade to the MySQL database, a comprehensive code refactoring in the backend, and a new frontend UI
- Wrote detailed tests for API and unit testing using Postman and JUnit to improve test coverage and allow for daily product deployments

Programmer at Mikutech

Oct 2013 – Aug 2014

PHP, ActionScript 3, Redis

London, ON

- Implemented a PHP web service that processed and displayed error logs from a Redis server
- Developed the base cutscene mechanics and UI of an ActionScript 3 game that now has thousands of players
- Wrote a PHP script that sent a daily/weekly email report generated with the FogBugz API

PROJECTS

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, Node.js, and Express that uses the Facebook SDK and sentimental analysis to analyze your profile and calculate and display interesting statistics/facts

MyoMusic – Top 10 Hacks, 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 that allows users to chat and friend others based on similar interests

All projects can be found on my Github and website

EDUCATION

University of Waterloo

2015 – Present

Candidate for Bachelor of Software Engineering

Waterloo, ON