**Zhichen Zhao(George Zhao)**

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**SUMMARY OF QUALIFICATION**

         5+ years of experience in mainstream programming languages such as Java, and Python.

         5+ years of experience in scripting languages such as html, xml, javascript and PHP.

         5+ years experience with web frameworks and databases, such as mysql, oracle, Postgre SQL, CodeIgniter, Zencart, Laravel and so on.

         Familiar with Apache, nginX, Microsoft, Tomcat/JBoss, Linux Servers.

         Good communication skills and ten years of teamwork experience

         Great work ethic, maintaining a 3.9 GPA and working full time

         Very adaptive to various working environments

**EDUCATION**

**Argosy University**

MBA                                                               Sept 2010 – March 2012

**Washington State University Vancouver**

BS in Computer Science                                                        May 2009

**Lower Columbia College**              **(LCC)**

Associate degree in Computer Science                            June 2006

**EXPERIENCE**

Software Engineer at NBC Universal Antipiracy Department (Oct 2012 – now)

**Project A:**

Backend: Creating site database with all its related information including Alexa Rank, Comscore UV, Whois, Site status, Ads status, Payment vendors, and etc. Technology Stack: HTTP API, Laravel Framework, Python, SOAP API Calls, Selenium Drivers, Apache Server and etc.  Tracking all the information about infringing sites through different automatic scripts by using Python, PHP and Perl.

Front end: Creating interactive business analytic interface using Angularjs (DOM data binding, live update, Event Handling, Filtering), JQuery (Data manipulation), Highchart (graphic display), Backbone (single page admin tool),Moment (js time parser), Bootstrap (Responsive CSS), Laravel Blade Template(HTML Template), and Laravel API (backend data support).

**Project B:**

Database: Creating multi-billion record database for all NBCUniversal titles from YouTube. Pulling video, claim, reference, asset, and channel information from YouTube RESTFul APIs through Python multithread, and store the data in MySQL database ( we are converting to Kassandra database since the data size is getting too big)

Web Interface: Building web interface using node.js (backend), Express (easier http server setup), Redis (Cache), nginx(faster server), Backbone (single page admin module), Jade (html template), Foundation (Responsive CSS), Angularjs (Event Handling, Filtering)

Webmaster and Database Engineer AT Home Paradise Inc. (Jan 2010- Sept 2012)

Managing a database with hundreds of thousands of product and E-Commerce website.   
  
**Project A:**

Web Interface: Building and maintaining web interface using Zend Cart (PHP Framework), MySQL(database), Foundation (CSS), Apache (sits on linux server), Angular (Databinding, Filtering), Memcache (Server cache), JQuery (Event handling, Data Manipulation), and JQuery UI (Business Graphics)

Implemeting additional security features to prevent SQL injection, Session Hajacking, Session forgery, User login security and etc.

INTERSHIP AT LCC IT DEPARTMENT                                          FALL 2009-Spring 2010

          Work at IT department at LCC for 20 hours a week.

          Doing updates and fixing dysfunctional computers. Effectively responds to service requests once they are posted.

          Designing and creating software programs that can be used at LCC Website

PROJECT TEAM AT WSU                                                                                    SPRING 2009

         Participated in a Location Based Service Team that uses mobile technology. We used a new technology Ice(a variation of EJB) for the interface the allows the communication between the server(JBoss Server) and various other clients(it can be written in any other languages such as C, C++, Objective C etc).

         I am in charge of web interface of the team project. I used technology, such as HTML, Javascripts, CSS and XML, for the web interface so that the clients could also see their own path/location online. I also used JServlet and Ajax to communicate between the server database and the web interface.

         I am also very familiar with JUnit testing which I used to test out most of the server code in this project.

         I have written some simple compilers which give me very good understanding of Heap, Stack, Scope and memory allocation in C.

**AWARDS AND ACHIEVEMENTS**

WSU VANCOUVER                                                                                    FALL 2006-SPRING 2008

         Transfer Scholarship Recipient(with transfer GPA 3.6 or higher)

         Completed a Location Based Server Application team project with 12 other classmates.

LOWER COLUMBIA COLLEGE                                                        FALL 2004-FALL 2006

         Dean’s List for 2004-2006