**Roxie Zhao**

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**OBJECTIVE**

Full time Entry-level software programming related job, **SDE/SDET** position.

**Education**

**Syracuse University,** M.S.Computer Science, Syracuse, NY Aug 2013 – May 2015

**Fort Hays State University**, B.S. Information Networking and Telecommunications, Hays, Kansas 2009 - 2013

**technical skills**

**Programming Language**: C/C++, C#, Java, python

**Web Development:** .NET, JavaScript, Angular JS, Ajax, JSON HTML5, CSS, PHP

**Database:** SQL,MYSQL

**Operating Systems:** Unix/Linux, Windows

**Others:** XML, LINQ, UML

**Previous ProjectS**

**Story Maker --- Web application**

* Designed and created a website allowing users to register and login as members and create, delete, read and upload/download stories (text and images)
* Used ASP.NET MVC Entity Framework 6 code first mechanism and coded with c#
* Implemented a WebApi web service and WPF client that supports uploading and downloading stories
* Used Linq and JavaScript to record, display, analyze and manage information from XML file. Built SQL Server database customers’ information
* Used HTML5, CSS and JSON for styling web pages.

**SU Bus --- Android Application**

* Developed a bus scheduling and statues exchanging platform, used PHP and JSON to communicate with and access information form server database which is built on XAMPP using Slim Framework
* Utilized knowledge of UI Widget like Master/Detail Flow, ViewPager, Graphics Animation, Action bar, Navigation Drawer, Dialog, RecyclerView, GridView etc
* Used Google map API to locate bus and users’ location in order to preform real time tracking and report
* Built a server based on the knowledge of REST API, MySQL, JSON and PHP

**OOD and Development --- C++ Programs**

* Designed a management system for business that including the payment system which can calculate employee salary, and the location system which pinpoints employees’ coordinates
* Developed a screensaver program that shows different shapes of graphs when computer goes to sleep. Using

polymorphism to display different shapes and STL container to store random graphs

**FreeBDS 5.2 Operating System Kernel Programming --- C Programing**

* Changed original FreeBSD’s page replace algorithm (LRU) to NFU (Not Frequently Used) policy
* Implemented dual queue round robin scheduler for the timeshare processes
* Implemented page fault rate (PFR) monitor to observe and analyze kernel statistics after the change

**2016 Fishackathon Coding Competition --- Python scrapy based Web application**

* Developed a search engine that have a more comprehensive information of fishing vessels
* Used scrapy to scrap information from 3 different vessel information website and formed json files
* Converted the json files into more than 5000 formatted information and built a SQL Server database to store them, coded with Java
* Used Bootstrap for website styling

**Professional experience**

**HENAN 863 SOFTWARE INCUBATOR, Internship** May 2014 – Aug 2014

* Built and implemented employee management system for software development company
* Documented system and helped customer with installation and use

**Zhengzhou UNIVERSITY, Network Administrator** Aug 2012 – May 2013

* Configure routers and switches for student dormitory
* Monitored and tested campus network
* Troubleshoot network problems and worked directly with customer to ensure first class service