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