Xuan(Alex) Liu

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SOFTWARE DEVELOPMENT ENGINEER

Possesses hands on engineering experience in testing, launching, developing and designing of desktop, Web-based, applications. Ability to quickly learn cutting-edge technology and be willing to practice and collaborate with project actively.

A hard-working and self-motivated graduate student in Computer Science, have completed advanced projects, consulted in the marketing department and had prior advertising industry working experience. I'm looking forward to working with experienced software engineers and exploring real-world industry experiences that will utilize my strong coding, design and analytical skills.

CORE COMPETENCIES

- Software development using Java/ OOP design
- Linux/Windows Environments
- System Architecture
- Extensive Understanding of Algorithms
- Relational Database Design
- Problem Analysis

TECHNICAL EXPERTISE

- Programming language: JAVA, R, SQL, PHP, Python, JSON, C, Prolog, Matlab, Netlogo

- Database: MYSQL, MongoDB, Oracle Database, SQLlite

- Framework and Tools: AngularJS, NodeJS, JDBC, Linux,

- Software and Tools: Eclipse, MongoDB Compass, PHPMyAdmin, Microsoft SQL server, Android Studio, GIT, WAMP

EDUCATION

MS in Computer Science: Georgia State University (Atlanta, GA), 2014 – present
Cumulative GPA: 3.7 / 4.3
Threads: Currently pursuing a Master Degree in Computer Science with concentration on Database and Computer Intelligence. Expected graduation in Spring 2017.

PROFESSIONAL EXPERIENCE

Chimera Innovations - Database Administrator Intern, Dunwoody, GA　　　　　　　　　　**Aug 2016 - Dec 2016**

- Optimized queries, tested and retrieved data from Microsoft Dynamic GP aiming to build a separate proportional database for administration.

- Leveraged NOSQL database into current infrastructure for a liquor e-commerce company for internal system, utilized MongoDB, PHP as back-end design and database implementation.

- Gained expertise by testing performance in relational and non-relational database including MYSQL, Oracle Database and MongDB.

PROJECT EXPERIENCE

MOIS - Desktop Application

- Developed an internal medical office management system utilizing Java, JDBC, SQLlite that integrated with modules of scheduling, medical, employee and billing system. Design database schema, windows-based. Java using swing for the GUI interface.

Home Depot code hackathons - Web Application

- Designed a solution helping match pro-customer and contractor, implemented a web application utilizing HTML, CSS, JavaScript, Google Maps API with featured MYSQL database to locate positioning of the right candidate both instore or online and update available candidates by broadcasting. First time participating 36-hour hackathon with real-world problem.

Google Calendar Registration Site – Web application

- Created a registration site that schedules survey appointment utilizing Google app script, Google Calendar API, collaborated sparking functionality like email notification, auto-generated candidate list, etc.

Yelp Data Mining Project – Academic Report

- Utilized R statistical tool and Python build a model that analyze the correlation among business, predict user's rating implementing different collaborative filtering mechanism, explore text review with NLP approach to discover semantic result which helps improve product and service.