Dexin Wang

Software Developer/Full Stack Engineer

Summary

A results-driven and customer-focused Software Engineer with 2 years hands-on experience for analyzing requirements, designing structures, and implementing functions. Excel at solving data structure problems and learning new technologies. Expert in Java, Python, and SQL with database design and optimization. Earned multiple MSCA certifications.

Personal Info

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Education

University of Oregon

Master of Computer Science, June 2017

Bachelor of Computer Science, June 2015

Skills

Programming Languages

Java, Python, C#, JavaScript, jQuery, AJAX, JSX, C++, Objective-C, PHP

Database Servers

SQL SERVER, MySQL, MongoDB, Google FireBase

Software

Eclipse, Visual Studio, Xcode, IntelliJ, Android Studio

Certification

MSCA: SQL 2012 / 2014

MSCA: SQL 2016 BI Developer

Working Experience

Web Developer Intern, Trading Co., Los Angeles, CA

Nov 2017 - Present

- Implemented web component features with **JavaScript** and **HTML**.
- Create **ETL** for integration showed aggregation data on **Power View**.
- Maintained the website and data with logs to increase usability.

Database Developer, Microsoft Field IT, Beijing, China

Sep 2007 – Aug 2009

- Designed relational, analytical, historical databases on **SQL Server**.
- Daily maintained database instances with **DMO** and **EP**.
- Increased performance by optimization increased efficiency by 18%.

Personal Projects

TicketMan:

The project provides event ticket search and recommendation with location based services.

- Implemented **Java** servlets to handle **HTTP** interactions supported by **MySQL** and **MongoDB** with data from TicketMaster **API**.
- Designed **algorithms** to implement event recommendation by geography location, search history, and favorite records.
- Deployed project to **EC2** which handles 150 queries per second tested by **Apache JMeter**.

MomentSharer:

LBS based Android App for travelers or residents to share events.

- Created Android App for user to post events and display nearby events by referenced **Google Map API**.
- Utilized **Google FireBase** to handle UGC with high performance.
- Integrated **Google AdMob** to display ads and keep users engaged.

IMDB-Learning:

The Primary goal is to predict the rating for each movie with classification and 6 algorithms.

- Involved in analyzing data focused on **accuracy**, **time**, **mean errors**.
- Converted features followed by **Bag-of-Words** to check overfittings.
- Used **Ensemble** methods via 6 algorithms gained 43% accuracy.

NBA Player Report:

A web dashboard dynamically shows player`s shooting data.

- Implemented linked highlighting among all charts using raised common **React** state among charts.
- Created a field goal percentage filter to provide more detailed visualization areas with made shots.
- Developed a match filter to more specifically visualize states for home, away, win and lost matches.