Dexin Wang

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SUMMARY

Seeking a full-time software engineer / Full Stack Engineer position.
Master candidate, a results-driven and customer-focused Software Engineer with **2 years** hands-on experience for analyzing requirements, designing structures, and implementing functions. Have wide range of project experience including **Web Application**, **Machine Learning**, and **Database Development**. Excel at solving algorithm problems, database optimization, and learning new technologies. Earned multiple MSCA certifications.

EDUCATION

University of Oregon
Master of Computer Science, Sep. 2015 – Jun. 2017
Bachelor of Computer Science, Apr. 2011 – Jun. 2015

Working Experience

Web Developer Intern, Trading Co., Los Angeles, CA   Nov 2017 - Present

- Implemented new web features for company website with JavaScript, PHP, HTML, and CSS.
- Created JAVA ETL programs for data integration and showed in different granularity on Power View.
- Applied Unit Test and Feature Test to check front-end code and back-end code for usability.
- Daily maintained the website features with logs and validated data in MySQL database to keep availability.

Database Developer, Field IT, Microsoft, Beijing, China   Sep 2007 – Aug 2009

- Analyzed user requirements and developed functional/technical specifications by utilizing agile methodology.
- Designed relational, analytical, historical databases on SQL Server with SSMS, SSIS, SSAS, and SSRS.
- Daily maintained database instances with Dynamic Management Objects, and Execution Plan.
- Increased database performance by query optimization and structure redesign that increased efficiency by 18%.

Personal Projects

TicketMan: Link

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

- Created Java servlets with RESTful API supplied by TicketMaster to handle HTTP requests and responses.
- Implemented reliability databases by using MySQL and MongoDB stores data from TicketMaster API.
- Designed algorithms to implement recommendation by computing geography location and search history.
- Deployed project to EC2 which handles 150 queries per second tested by Apache JMeter.

MomentSharer: Link

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

- Created Android App for user to asynchronously post event with content, image, and location.
- Referenced Google Map API to display nearby events based on geography positions.
- Utilized Google FireBase to handle user generated content and login information with high performance.
- Integrated Google AdMob to display ads and keep users engaged.

NBA Player Report: Link

A React web dashboard dynamically shows NBA players` shooting data on playing field provided by NBA Stats API.

- Created a search component to select NBA players with autocomplete predictions to show images and full names.
- Supplied multiple highlighting diagrams among the court chart to show shooting ratios on shooting positions.
- Implemented functional filters to provide more detailed visualization areas by using raised common React state.

IMDB-Learning: [Link](#)

A classification problem is to predict the movie ranking score with three benchmarks: accuracy, time cost, and mean error.

- Pre-analyzed classified attribute with Weka to choose 3 stable algorithms and 3 unstable algorithms.
- Cleaned data via data filling, tuple deduplication, and feature deletion that gained 30% accuracy.
- Filtered useful Stand Score Normalization and Bag-of-words transformation which obtained 42% accuracy.
- Built an ensemble by Bootstrap Aggregating which utilizes 6 algorithms achieved 43% accuracy.

SKILLS

Skill	Rating	Skill	Rating	Skill	Rating
Java	★★★★★	SQL Server	★★★★★	SSIS/SSAS	★★★★★
TSQL	★★★★★	MySql	★★★★☆	SSRS/Tableau	★★★★☆
JavaScript	★★★★☆	MongoDB	★★★☆☆	EC2/S3	★★★☆☆
Python	★★★★☆	FireBase	★★★☆☆	MDX/DAX	★★★☆☆