

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

Front-end and back-end development for an electronically commercial website and data manipulation for business.

- Implemented new web features for company website with JavaScript, PHP, HTML, and CSS.
- Created JAVA ETL programs for data integration and presented in different granularity on Power View.
- Applied unit test and feature test to check front-end code and back-end code for usability.
- Maintained the website with daily logs and validated data in MySQL database to keep and monitor availability.

Database Developer, Field IT, Microsoft, Beijing, China

Sep 2007 – Aug 2009

The job focused on requirement analyzing, structure creation, data integration, and report design.

- Analyzed user requirements and developed functional/technical specifications by agile software development.
- Designed relational and data warehouse databases on SQL Server with SSMS, SSIS, SSAS, and SSRS.
- Maintained database instances with Dynamic Management Objects, and Execution Plan.
- Improved database performance by 18% with query optimization and structure redesign.

Personal Projects

TicketMan: [Link](#)

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

- Created Java servlets with RESTful API to handle HTTP requests and responses.
- Designed MongoDB to store data from TicketMaster API and use MapReduce for algorithm calculation.
- Designed algorithms to implement recommendation based on geo-location and search history.
- Deployed project to EC2 which could handles 140 queries per second tested by Apache JMeter.

MomentSharer: [Link](#)

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

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

NBA Player Report: [Link](#)

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












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

IMDB-Learning: [Link](#)

A classification 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 utilized 6 algorithms and achieved 43% accuracy.

SKILLS

Java		SQL Server		SSIS/SSAS	
TSQL		MySQL		SSRS/Tableau	
JavaScript		MongoDB		EC2/S3	
Python		Firebase		MDX/DAX	