Dexin Wang

Software Engineer/ Full Stack Engineer

Summary

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.

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, C#, Python, JavaScript, jQuery, AJAX

Database Servers：

SQL SERVER, MySQL, Oracle DB, MongoDB, FireBase

Cloud Service:

Google App Engine, Computer Engine, Amazon Ec2, S3

Certification

MSCA: SQL 2012 / 2014

MSCA: SQL 2016 BI Developer

Working Experience

Software Developer, Sun West Mortgage Company, Los Angeles, CA
March 2018 – Aug 2019
The job focused on mortgage website and service design and development.

- Analyzed user requirements and developed functional/technical specifications with agile development methodology.
- Reconstructed moveable modular that replaces duplicated or similar features to optimize systems.
- Created an API Distributer to integrate all existing business APIs for currency control.
- Designed and implemented a Central Data Change Handler system to trigger actions by following loan business logic. It reduces 70% time cost.

Web Developer Intern, Arcman Trading Co., Los Angeles, CA
Nov 2017 – March 2018
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.

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.

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.