

# Dexin Wang

## Software Engineer/ Full Stack Engineer

### Summary

**H1B holder, Master Degree**, a results-driven and customer-focused **Software Engineer** with **2 years** hands-on experience for analyzing requirements, designing structures, and implementing functions. Have a wide range of project experiences including Web Application, Database Development, and Machine Learning. Excel in **requirement abstraction, modular construction, algorithm solving, database optimization, and learning new technical skills.**

### 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

## Work Experience

### Software Developer, Sun West Mortgage Company, Greater Los Angeles, CA

March 2018 – Aug 2019

Mortgage service's technical design and development for lenders, brokers, and borrowers.

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

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

Nov 2017 – March 2018

Front-end and back-end development for a commercial website and data manipulation for retailing and direct marketing.

- 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 monitor availability.

## Personal Projects

### TicketMan: [Link](#)

The project provides event ticket search and recommendations 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 recommendations based on geo-location and search history.
- Deployed the project to EC2 with basic configuration and confirmed the ability to handle 140 queries using 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 attributes 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.