YE WANG

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Summary

An inquisitive and energetic Computer Science master student at Fordham University, with solid understanding in algorithms and data structures. Experienced in web and mobile development.

Education

Fordham University New York, NY
Master Candidate in Computer Science GPA: 3.72/4.0 Expected: December 2018
Graduate assistantship

Fisher College Boston, MA
BS in Management, Computer Information System January 2016 - July 2017
Dean's List Spring 2016; Dean's List Fall 2016

Skills

Programming language: Java, Python, JavaScript, Go, Swift
Database: relational databases (Oracle, MySQL) and NoSQL databases (MongoDB).
Platforms & Frameworks: Linux, Ajax, jQuery, Node.js Django, JUnit,Spring, Hibernate Hadoop, Git/Github

Work Experience

Fordham University New York, NY
Graduate Research Assistant August 2017 - Present
- Course assistant to CISC 2200 (**Data Structures**) and CISC 3500 (**Database systems**).
- Conduct research on maximizing wireless sensor networks (WSN) coverage in three dimensional space.

Web Assistant November 2017 – June 2018
- Managed and maintained Economics Department's web content through JADU CMS.
- Designed and developed the Front-End architecture of Fordham University Econ departments's web site.

Vividing Inc. Framingham, MA
Software Engineer Intern May 2017 – August 2017
- Built from scratch an Integrated front-end system with a team using **Javascript** and **CSS** to transform PDF textbooks into highly interactive and mobile first digital contents to improve user reading and learning experience.
- Rearchitected and developed the company's homepage using **Bootstrap**.
- Migrated and deployed company's webpage from cloud hosting service to local servers, which cut company's spending on server hosting services.

Projects

Fun-Things: Event Search and Recommended Web Service
https://github.com/ywang0811/Fun-things
- Developed an interactive web service utilizing **AJAX** to recommend events to users based on their IP address.
- Improved users experience by personalize recommendations based on favorited records.
- Developed Backend using (**Java servlet, REST API**) to fetch event data from TicketMaster API.
- Implemented **MySQL/MongoDB** to store users' browsing history.
- Depolyed on Amazon **AWS** and tested with **JUnit**.

Nearby: A React And Go Based Geo-Location Social Network
https://github.com/ywang0811/Nearby
- Architected a geo-based social network web application that allows users to share images and videos with **React** JS.
- Implemented the main features, such as "Nearby Posts" and "Create and Upload" with **ElasticSearch API (GCE)**, **Google Map API** and **Ant Design**.
- Built token based registration flow with **React Router v4** and server-side authentication with **JWT**.
- Used **Google Cloud** services to complete other essential functionalities (Dataflow, Bigtable and BigQuery)

Machine Learning And Data Analytics - Stock Option Implied Volatility Calculation
- Built and embellished a GUI using TKinter to prompt users' desired stock options.
- Crawled real time stock options data using **Python Pandas.**
- Preprocessed and classified data set into European and Non-European options by data cleaning, outliers removal and feature correlation, etc.
- Integrated a machine learning models system including KNN, Random Forest, SVM and Gradient Boost to predict implied volatility's behavior under each individual model and evaluated their performances.