Qiao Wang *(Objective: 2017 summer software engineer internship)*

Mountain View, CA

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EDUCATION

Carnegie Mellon University - Silicon Valley, *USA*   *Aug 2016 — Dec 2017*
Master of Science in Software Engineering
Courses: Cloud Computing, Foundation of Software Engineering, Service Oriented Computing, Introduction to Software Management

Jilin University, *Changchun, China*   GPA: 3.9   *Sep 2012 — Jun 2016*
Bachelor of Management Information Systems Minors in Applied Statistics
Courses: Data Structures and Algorithms Analysis, Object-Oriented programming, Introduction to Database Systems, Object-Oriented Software Development, Distributed System, Information Storage and Retrieval, Decision Supporting Systems and Business Intelligence

EXPERIENCE

Software Engineer Intern, Baidu Inc., Beijing City, China   *Jun 2016 — Aug 2016*
- Crawled 1,000,000 apps from Baidu App Store using Scrapy, Scrapyjs, Proxy, and stored data in MangoDB (performance: 100 pages/second).
- Applied Cosine-Similarity Algorithm to recommend top five related apps for each app and user according to user download histories(performance: 1second/app).
- Built front – end of Baidu App Store to display app list pages using Node.js and Meteor.

Software Engineer Intern, Sohu Inc., Beijing City, China   *Jun 2015 — Aug 2015*
- Developed a set of SDK integrated the notification pushing of Huawei, Xiaomi and Sohu.com using Cordova, HTML5 and JavaScript.
- Built a framework of loading and inspecting the full image in the discussion area of Kuaizhan BBS.
- Collaborated with Product Development, Operations and IT teams to update database systems.

PROJECTS

Real Time Stock Data Processing System   *Jan 2016 — Mar 2016*
- Implemented a high performance data processing platform using Apache Kafka, Apache Cassandra, and Apache Spark to analyze stock data (200k msg/s).
- Developed a visualization web app using Redis, Node.js, and D3.js.
- Created a scalable cloud deployment environment using Docker, Apache Mesos.

Hospital Search and Geographic Visualization   *Sep 2015 — Dec 2015*
- Developed a JavaScript web crawler with node.js and cheerio.js. Filtered and parsed locations and data on more than one thousand hospitals in China.
- Processed and stored data in MongoDB and PostgreSQL
- Built an interactive web search engine supporting a variety of queries
- Visualized the location data in the map with Leaflet.js and D3.js

Real Estate Pricing Visualization and Prediction   *Feb 2015 — Apr 2015*
- Developed a JavaScript web crawler with Node.js and cheerio.js, filtered and parsed more than 2 million real estate listings.
- Processed and stored pricing data in MongoDB and PostgreSQL, implemented query interface via Navicat and Postgres with 2000 rps
- Built a Node.js web app to visualize pricing data using Leaflet.js and D3.js
- Predicated future real estate prices with linear and logistic regression models in R

Design and Implementation of the Electronic Power Quality Comprehensive Evaluation System   *Mar 2016 — May 2016*
- Developed a platform with C++ and QT to process real- time data from National Grid Electronic Monitoring System in China.
- Used Machine Learning Algorithms(SVM) and several Fuzzy Mathematic methods to judge quality of electronic data (305 msg/ s) and electronic quality of 9 cities in China.
- Sponsored by National Grid(China).

SKILLS

Programming: Java · Python · JavaScript · Shell Scripting · SQL · Scrapy · Scrapyjs · Meteor
Cloud Computing: Apache Kafka · Apache Cassandra · Apache Spark · Apache Mesos
Web Development: Redis · Node.js · D3.js · jQuery · Express.js
Database: MySQL • HBase • MongoDB• PostgreSQL · Sqlite3 · SQL Server

A passionate and devoted worker who excels in teams