

Zelong (Joel) Li

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EDUCATION

University of California, Berkeley: Berkeley, CA
B.S. Electrical Engineering and Computer Science

Expt. Grad. Date: May, 2017

WORKING EXPERIENCE

Zhuge IO

Beijing, China

Software Engineer Intern

July, 2016 --- August, 2016

- Interned in Zhuge IO, a SAAS company in Beijing that provides data analytic service for other Internet companies. Mainly focused on developing several API interfaces using Flask and Flask RESTful for connecting databases and generating statistics of individual user information, status change over a certain duration and functional uses of the company's service. The interface helped the company analyze user behaviors and lifecycle of users.

Bank of China & IBM China

Beijing, China

Software Engineer Intern

June, 2015 --- August, 2015

- Interned in a team from IBM China working in the head quarter of Bank of China for developing an online shopping system that users could directly purchase merchandize by bank credits. Made the requirement analysis from the project initiation and used HTML, JSP and SQL Server for creating merchandize display page and managing the user information.

ACCOMPLISHMENT

Map Reduce Project

- Used the Apache Spark framework to turn Breadth-first traversal to a format compatible with MapReduce framework and used Amazon Web Services Elastic Compute Cloud (AWS EC2) servers to solve large-scale puzzle sliding problem.

Wan Optimizer

- Implemented a middlebox application that optimizes the amount of data transmitted over a wide area network (WAN) and the sending and receiving clients are unaware of the middleboxes that do the optimizations.

Glucose Bond

- Designed and implemented an app for android smartphone and smart watch called Glucose Bond. Focused on users whose children were diagnosed as Type 1 Diabetes and parents who wanted to learn how to take care of their children with diabetes. The app included features of forum, learning sources and mentorship. Also, an additional feature of phone-watch communication was implemented. Finished the whole design cycle including initial ideas, low fidelity prototyping, user testing, high fidelity prototyping, and demonstration for public showcase.

COURSEWORK

Computer Science: Artificial Intelligence, Computer Architecture, Data Structure, Database, Efficient Algorithms, User Interface Design, Internet Architecture and Protocols and Computer Security

Electrical Engineering: Microelectronic Circuits, Signal Processing

Industrial Engineering and Operations Research: Linear Programming

Business Management: Microeconomic Analysis for Business Decisions, International Consulting

TECHNOLOGIES

Java, Python, C, C++, Spark, MIPS, SQL Developer, HTML, LaTeX, JSP, Scala, Android Studio, Flask, Flask RESTful, JavaScript, Ajax

EXTRACURRICULAR ACTIVITIES

- Founding class member of Eta Omega Chi co-ed Fraternity (<http://www.calhox.org>)
- Senior Vice President of Eta Omega Chi co-ed Fraternity (January, 2016 --- May, 2016)