SHENGWEI WANG

Email: Shengwei.Wang@utexas.edu   Cell: (512) 581-5080   Objective: Software Engineer

EDUCATION

the University of Texas at Austin   GPA:3.9/4   May 2017
M.S. in Information System - Software Development Track

Zhejiang University   GPA: 3.9/4   June 2015
B.S. in Information System

Relevant Coursework: Multicore Programming, Generic Programming& the STL, Business Intelligence, Data Visualization, Information System, Data Mining, Web Programming, Object-Oriented Programming, Compiler, Database, Data Structure, Communication& Computer Network, Information Architecture

SKILLS

Programming: Java, Python, C++, C#, C, JavaScript, D3, PHP, SQL, Bootstrap, HTML5, CSS, JSP
Technology: Amazon Web Service (AWS), Docker, Hadoop, MapReduce, Spring, Hibernate, Maven, Jenkins, J2EE, JUnit, Oracle, MySQL, MongoDB, Redis, Flask, AngularJS, jQuery, Agile, UX, CUDA, Android

EXPERIENCE

Software Engineer   (Intern / Data Engineer Co-op)   March 2016 - Present
Digital Factory, Chicago IL

- Implemented Python Flask RESTful middleware on Amazon Web Service to handle micro-fence requests
- Designed and standardized data model in Postgres and MongoDB, provided Wrapper APIs for upper layer, to build business intelligence infrastructure
- Lead a team to design a cloud data analytics dashboard integrated with Android Application to track user behavior, solved communication issues between product team and infrastructure team
- Standardized back-end business process using UML diagrams, wrote unit tests, integration tests and automated testing platform to ensure the quality of the infrastructure
- Designed performance testing with Android developer, reduced battery power consumption
- Built CI/CD pipeline Jenkins Docker on Amazon EC2 Container Service (ECS)

Software Engineer   (Intern)   Sept. 2012 - June 2015
The Center for Information Technology & Socio-economic System, Zhejiang University, China

- Structured Tb scale business commercial data in Alibaba (data cleaning process using Python and SQL), and provided data layer API for business logic layer programming
- Designed and established database to store Tb scale data, including data modeling, data structure design, data migration, to support the data visualization platform
- Implemented Hadoop and RESTful web service middleware to support business intelligence platform
- Implemented data visualization tool using D3 to display business information for decision making

PROJECTS

Concurrent HashMap Performance Evaluation

- Created a platform on Texas Advanced Computing Center to evaluating performance of different concurrent HashMaps implemented based on academic theories

Distributed System

- Analyzed CRM data to detect potential losing customers using map-reduce functions on Hadoop

Web Development - Stock Monitor

- Implemented a stock monitor website to provide real-time stock information searching service
- Technology: Spring, Hibernate, Maven, Jenkins, MySQL, Google App Engine, Docker, D3

Web Development - Alamo Conservation Management System

- Improved a web-based conservation system, redesigned the database and provided user behavior support
- Technology: MongoDB, Bootstrap, JavaScript, jQuery, AngularJS, PHP, UX