Mr. OU Yang

ouyang89@ufl.edu
http://www.cise.ufl.edu/~you/ouyang
https://github.com/ouyanguf

OBJECTIVE

Seeking full time job in the field of Software Engineering

EDUCATION

University of Florida   **Gainesville, FL**
M.S. in Computer Engineering   **08/2012-05/2014**
GPA: 3.85/4.0
Nanjing University of Science and Technology   **Nanjing, China**
B.S. in Communication Engineering   **09/2008-06/2012**
GPA: 3.6/4.0

PROJECTS

Movie Sales, Rating and Social Network System - HTML/PHP/SQL   **01/2013-05/2013**
- Designed and implemented movie based sales system, rating system and social network
- Gave movie recommendations based on study of movie information, user information, user purchase history, user rating history and user's social behavior
- Implemented web-based UI as front-end(HTML/JavaScript)
- Set up server and movie database and as back-end(PHP/Oracle Database)

Online Save-for-Later Service - HTML/JavaScript/PHP/SQL/AWS   **08/2013-12/2013**
- Developed automatically synchronized off-line readable webpages of users' interests using Amazon Web Services
- Parsed webpages to create a simple, ads-free and reader friendly format
- Implemented web-based portal(HTML/JavaScript) and Chrome extension as front-end
- Set up Amazon EC2 server(PHP), Amazon RDS database, Amazon S3 storage as back-end

Page Rank - Java/Hadoop/AWS   **09/2013-12/2013**
- Ranked web pages based on their link directions
- Used Hadoop distributed cloud computing framework(Java) and
- Run on Amazon Elastic MapReduce

Password Strength Evaluation - Java   **08/2013-12/2013**
- Identified patterns in user's password and evaluated password strength by giving estimated time to crack the password(Java)
- Evaluated password strength based on user's personal information and gave suggestions(Java)

Distributed Debugger - Scala   **10/2013-12/2013**
- Added logging function of message exchange to Scala actors for program debugging(Scala)
- Generated actors' message exchange graph using MscGen to help debug

Protocol Implementations - Scala   **09/2013-12/2013**
- Implemented Gossip and Push-sum network protocol for topologies like full, 2D grid, line and imperfect 2D grid(Scala)
- Implemented Pastry network protocol(Scala)

Data Structure Implementations - C++   **08/2012-10/2012**
- Coded and debugged AVL Tree, Red-Black Tree and B-Tree structures as well as their counterparts with hash tables that supported all operations(C++)

EXPERIENCE

China Unicom Corporation (UNICOM Co.)   **Jinan, China**
Intern   **06/2011-08/2011**
- Worked in group on customer billing account registration and log-in project
- Coordinated data integration of two billing systems of China Unicom

PROGRAMMING SKILLS

Java, Scala, PHP, SQL, HTML, JavaScript, C++