

Mr. OU Yang

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<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

Database Based Movie Rating, Sales and Social Network System

01/2013-05/2013

- Implemented web-based UI as front-end and a supporting movie database as back-end
- Designed and implemented movie sales and rating system
- Developed movie based social network
- Gave movie recommendations based on study of movie information, user purchase history, user rating history and user's social network

Cloud Based Online Save-for-Later Service

08/2013-12/2013

- Developed web portal and browser extensions for automatically synchronized off-line readable webpages of users' interests using Amazon RDS
- Parsed webpages to create a simple, ads-free and reader friendly format
- Developed discovery engine with personalized recommendations based on study of saved data

Page Rank

09/2013-12/2013

- Ranked pages based on their link direction
- Used Hadoop distributed cloud computing
- Run on Amazon Elastic MapReduce

Password Storage, Strength Evaluation

08/2013-12/2013

- Identified patterns in user's password and evaluated password strength by giving estimated time to crack the password
- Evaluated password strength based on user's personal information and gave suggestions

Distributed Debugger of Scala Actors

10/2013-12/2013

- Added logging function of message exchange to Scala actors
- Generated actors' message exchange graph using MscGen to help debug

Protocol Implementation

09/2013-12/2013

- Implemented Gossip and Push-sum network protocol for topologies like full, 2D grid, line and imperfect 2D grid using Akka actors in Scala
- Implemented Pastry network protocol using Akka actors in Scala

Data Structure Implementations

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

(Note: All projects can be found on Github: <https://github.com/ouyanguf>)

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 (Akka), SQL, PHP, HTML, C++