Mingzhe Du

1100 Wheat Street, Apt 707, Columbia, SC, 29201 || 803-381-2503 || dan.du.pub@gmail.com || linkedin.com/in/mzdu99

SUMMARY

- **To obtain an internship position as Software Developer starting in summer 2016**

PhD student in Computer Science, full-stack web and hybrid mobile app developer, specializing in Python, Google App Engine, Ionic Framework and MEAN stack.

EDUCATION

University of South Carolina   Columbia, SC

Ph.D. Student in Computer Science, GPA: 3.83/4.0

University of South Carolina   Columbia, SC

Master of Science in Software Engineering, 2011

Tsinghua University (transferred to Univ. of SC in 2009)   Beijing, China

Harbin University of Science and Technology   Harbin, China

Bachelor of Science in Software Engineering, 2007

RESEARCH INTEREST

Natural Language Processing, Semantic Web, Software Requirement Elicitation and Modeling

WORK EXPERIENCE

Lead Developer, University of South Carolina   August 2015 – Present

Project Site: http://wikitheoria.com

- Building rating system for the clarity and quality of Sociology modules and users' contribution
- Proposed work: Recommender System, Lexicon Circularity Detection, sponsored by NSF

Research Assistant and Developer, University of South Carolina   Dec 2014 – August 2015

Created learning systems with mobile technology to improve coordination in perioperative services

- Designed and implemented RESTful services with Ruby on Rails and MySQL

Lead Developer and Research Assistant, University of South Carolina   May 2012 – Nov 2014

Project Site: http://wikitheoria.com

- Designed, implemented and tested Wikitheoria, a web-based tool sponsored by NSF
- Experimented text classification, ontology building and development with NLTK and Protégé
- Programmed with Python, Google App Engine, Google Datastore, Javascript and jQuery libraries
- Developed the project under Agile development process
- Integrated Google APIs (Search, Mail, Users) into the system
- Released the first official version on October 1st, 2014

Graduate Assistant in Programming for College of Education   Aug 2011 – May 2012

Project Site: http://ed.sc.edu

- Fixed and updated faculty and staff directory system, document management system
- Implemented the work order system for Office of Instructional Support
- Helped in redesigning the South Carolina Child Care Resource and Referral Network website, developed the website with ASP, SQLServer and jQuery

Project Specialist, The 4th East Asian Games, Beijing & Macau, China

    Companhia de Telecomunicações de Macau S.A.R.L (CTM), *Macau*   Apr 2005 – May 2005
- Instructed CTM employees in operating management system
- Tested and deployed Swimming Competition Management System
- Cooperated with Software Quality Institute to improve the software development process

    Beijing Aoshi Sports Timing Limited Company, *Beijing*   Dec 2004 – Mar 2005
- Elicited customer's requirement for The 4th East Asia Games
- Implemented Swimming Competition Management System with Delphi and Oracle

PERSONAL PROJECTS

CharaSpark -- A mobile app that helps spread the word of people doing good things for their local charities by giving donors a chance at getting something back in return. Co-developed with three other friends. More details could be accessed via http://www.charaspark.com.

Petbook – A hybrid mobile app helps pet owners build the communities for their pets, developed with Ionic framework and MEAN stack. Open-sourced on Github.

Coursera Discuss -- A chrome extension. The idea of this project is to let students share their questions, suggestions and ideas with other students while watching the video lecture. Open-sourced on Github.

PROGRAMMING SKILLS

Proficient in:

Web Development with Python, Google App Engine, jQuery and relational or NoSQL database

Mobile App Development with AngularJS, NodeJS, MongoDB and Ionic Framework

Very Experienced with:

Java, Javascript, JSP, ASP, UML, Drupal, Oracle, MySQL, SQLServer

TEACHING

Teaching Assistant, University of South Carolina   Aug 2009 – Aug 2011

CSCE 102: General Applications Programming

- Developed supporting materials and lectures on HTML5, CSS3, Javascript with web applications

CSCE 101: Introduction to Computer Concepts

- Developed new materials on web technology, CH programming and Alice programming

Computer Literacy Lab

- Helped and supported students to understand web technology and Object Oriented Programming

HONORS, AWARDS, CERTIFICATES

2015, **XSeries Big Data Certificate by BerkeleyX,** edX

2014: **Back2School CodeSprint 2014**, Nationwide Rank: 25

2007: **Department Special Recognition Award** for contributions to The 4th East Asian Games

2004, 2005, 2006: **Outstanding Student of the University**, Scholarship, HUST

Oct 2005: **Sun Certified Java Programmer (SCJP)**

RECENT ACTIVITIES

Aug 28, 2015 Sparc Hackathon-5, Charleston, SC	**Apr 17, 2015** BattleHack, Raleigh, NC
Mar 27, 2015 HackathonCLT, Charlotte, NC	**May 30, 2014** HackForSC, Columbia, SC