Yuzhong Qian

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OBJECTIVE

Seeking an internship of software development position preferably in the field of Java Developer that utilizes a collaborative effort in designing and developing innovative products and services.

EDUCATION

Master of Science, Computer Science
Dartmouth College, Hanover, NH — Expected in June 2017

Bachelor of Engineering, *summa cum laude*, Software Engineering
Beijing University of Posts and Telecommunications (BUPT), Beijing, China — July 2015

- Thesis: Graph-based Community Discovery in Social Network.
- GPA: 91 of 100

TECHNICAL SKILLS

- Programming: Java, C#, Python, C++, JSP
- Technology: J2EE, XML(XQuery, XPath, DTD, XML Schema), HTML, CSS

PROJECTS

Graph-based Community Discovery in Social Network

· The similarities among a number of communities in social networks are critical to many data analysis tasks (e.g., advertisement, recommendation). I designed and implemented a system using *gSpan* that discovers communities which same graph structure and analyzes the content of these communities to obtain the valuable information.

Topic-based Emotional Tendency Analysis

· In this project my team designed and implemented a system to support topic-based user clustering and emotional tendency analysis using comments on forums. I designed a data pre-processing system to automatically retrieve the comment data using jsoup and clean it afterwards. I utilized Girvan-Newman (GN) algorithm to produce clusters of users and provide support for other team members for emotional tendency analysis.

Course Registration Management System

· I designed and implemented a web-based system to support adding/dropping courses by students and course management by registrar. I utilized MySQL to store all related informations (e.g., students' information, course schedule, registration records, etc.) and J2EE for the web-based interface.

`PenT` **Project**

· In this project our team designed and implemented an application that allows people to simultaneously draw on their computers located at various geo-locations. As a team member, I designed and implemented a novel protocol for `PenT` to transmit all parameters (e.g., coordinate, color and thickness of the painting brush).

AWARDS AND HONORS

- National Scholarship (top 4%), awarded by Ministry of Education of P. R. China — 2014
- *People.com.cn* First Prize Scholarship (top 1%), awarded by People's Daily — 2013
- University First Prize Scholarship, awarded by BUPT — 2012