Yiqing HUA

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EDUCATION

Ph.D. student at Cornell University 2016.9 - present

Bachelor of Science in Engineering, ACM Honored Class, Shanghai Jiao Tong University 2012 - 2016

RESEARCH INTERESTS

My research interests are focused on natural language processing area, where in particular I'm fascinated by using NLP techniques to understand more about language and human society.

PUBLICATION

Yiqing Hua, Chao Li, Weichao Tang, Li Jiang, and Xiaoyao Liang. Building fuel powered supercomputing data center at low cost. *Proc. the 29th ACM International Conference on Supercomputing (ICS), Jun. 2015*

EXPERIENCE

Research Intern July 2015 to December 2015
Cornell University

- Explored methods for fine-grained opinion analysis based on deep recurrent neural networks.
- Building an end-to-end system to extract sentiment-related information from a large corpus.
- Advisor: Prof. Claire Cardie

Research Assistant June 2014 to June 2015
Sustainable Architectures and Integration Laboratory,
Shanghai Jiao Tong University

- Exploited heterogeneous sources of fuel in order to reduce the cost of a fuel-powered data center.
- Developed a new power provisioning architecture that can reduce over 80% total cost of ownership in a fuel-powered data center, with near-optimal (within 1% difference) performance.
- Advisors: Dr. Chao Li and Prof. Xiaoyao Liang

Teaching Assistant December 2014 to January 2015
Shanghai Jiao Tong University

- Served as the head TA, managed interface between TAs and the Professor as well as Zhiyuan College; managed 4 other TAs.
- Explained challenging concepts to around 30 students from ACM honored class.
- Graded homeworks and exam; provided timely, appropriate and effective feedback to students.
- Course: Automata Theory taught by Prof. John Hopcroft, for the sophomore students in ACM honored class.

Assistant Coach of Programming Contest Fall 2014
Shanghai Jiao Tong University

- Coached the Shanghai Jiao Tong University ACM-ICPC 2014 female team.

PROJECTS

Tiger Compiler Summer 2014
Implemented a complier for a simplified version of C language called tiger, from lexical analysis to code generation with optimizations.

A Look into Non-negative Matrix Factorization Summer 2014
Analyzed and reviewed state-of-the-art approaches in non-negative matrix factorization, supervised by Prof. John Hopcroft.

Nachos-SJTU Fall 2014
Developed an operating system, including thread management, multiprogramming, virtual memory, file system and networking, based on Nachos of UC Berkeley.

ACMdb Summer 2015
Implemented a relational database system based on Minibase in C, including the heapfile layer, the buffer manager layer, a B+ tree and external sorting.

HONORS AND AWARD

ACM INTERNATIONAL COLLEGIATE PROGRAMMING CONTEST
ACM/ICPC Asia Regional Contest

- Fourth Place 2013(Phuket)
- Silver Medal 2012(Tianjin), 2012(Hangzhou), 2013(Nanjing)
- Best Women Team 2012(Tianjin), 2012(Hangzhou), 2013(Nanjing)

ACADEMIC AWARDS

- Department Fellowship, CIS Cornell 2016
- Zhiyuan Outstanding Student Scholarship, Shanghai Jiaotong University 2016
- Outstanding Graduate of Shanghai 2016
  top 5% among the undergraduate students graduated that year in Shanghai
- National Scholarship 2013
  highest ranked scholarship in China, awarded to top 0.2% *of students across the nation*
- Academic Excellence Scholarship of Shanghai Jiao Tong University 2014
  top 10% in the school
- Merit Student Award of Shanghai Jiao Tong University 2014

SKILLS

Languages & Software:

- C++, LaTeX, Java. Expert
- Python, Mathematica, Matlab. Intermediate