Yi Yang

yiyang@gatech.edu 404-263-6322 http://www.cc.gatech.edu/~yyang319/

OBJECTIVE To obtain an internship with a focus on NLP, Information Retrieval and Information Security

EDUCATION

Aug. 2011 – present **Georgia Institute Technology, Atlanta, GA, USA**
PhD student in School of Computer Science, College of Computing

Sep. 2007 – Jun. 2011 **Beihang University (formerly Beijing University of Aeronautics and Astronautics), China**
B.S. Major in Software Engineering, GPA: 3.70/4.0, Major GPA: 3.88/4.0, Rank: 2/144

RESEARCH EXPERIENCE

Research Assistant, Data Intensive Systems Lab, CERCS
School of Computer Science, College of Computing, Georgia Institute Technology

Aug. 2011 – present **Project 1: Detecting Fake Follower in Twitter**

- Analyzed the existence of fake followers in Twitter.
- Proposed profile based features and graph based features for this task.
- Employed graph based semi-supervised learning method for this task.

Research Assistant, Intelligent Information Processing and Bioinformatics Group
National Lab of Intelligent Technology & Systems, Tsinghua University

Aug. 2010 – Jan. 2011 **Project 1: Learning to Identify Review Spam**

- Built a spam collection from our crawled reviews.
- Described the influence of different features in the supervised learning framework.
- Proposed a co-training strategy which based on review features and reviewer features respectively.

Jul. 2010 – Dec. 2010 **Project 2: Incorporating Quality Measures for Ranking Short Texts**

- Proposed a regression model to recommend high-quality tweets in response to a user query.
- Various features including query relevance, content quality and user authority and profile, are chosen to quantify the quality measures
- Proposed several regularization factors to produce prediction more consistently and reliably.

Dec. 2009 – Jun. 2010 **Project 3: Patent Similarity Measurement and Patent Classification**

- Determined the similar patents to a given patent in a patent corpus. Built a term weighted model(ELT) based on tree structure which took advantages of claim mention.
- Constructed query by extracting significant terms which weighted using ELT and retrieve similar patents with search tool Indri.
- Hierarchical Multi-label Classification of Patents using Two-way Poisson mixture models.

Research Assistant, Knowledge Engineering Lab (Group)
Department of Computer Science and Technology, Tsinghua University

Jul. 2010 – Nov. 2010 **Project 1: Query Understanding for Web Search over Heterogeneous Networks**

- Proposed an iterative reinforcement approach called Quoter, which combined the two steps: query segmentation (using bigram model), entity classification (using unigram model), and iterative reinforce the performance for query understanding.
- Applied the proposed approach to a real academic search system Arnetminer, which impoves the utility of the system.

PUBLICATIONS

- Fangtao Li, Minlie Huang, **Yi Yang**, Xiaoyan Zhu Learning to Identify Review Spam. To Appear in Proceedings of the Twenty-Second International Joint Conference On Artificial Intelligence (IJCAI 2011). (Full Oral Paper) (227/1325=17%)
- Minlie Huang, **Yi Yang**, and Xiaoyan Zhu. Quality-biased Ranking of Short Texts in Microblogging Services. In Proceedings of the 5th International Joint Conference on Natural Language Processing (IJCNLP 2011). (Oral Paper)
- Rezarta Islamaj Doğan, **Yi Yang**, Aurélie Névéol, Minlie Huang, Zhiyong Lu, Identifying protein-protein interactions in biomedical text articles. In Proceedings of the Third BioCreative Challenge Evaluation Workshop

SELECTED SOFTWARE PROJECTS

Mar. 2010 – Mar. 2010 **Internship, Beijing Key Laboratory of Network Technology**
Project: Network Node Mobility Model Simulator based on MANET

- By configuring the scene and one of the nodes, using cloud model to simulate the node movement in order to research and explore the optimization of mobile network nodes.
- Simulate the scene of a fire and the division and convergence of the troops.

Internship, School of Software of Beihang University (BUAA)

Sep. 2009 – Dec. 2009 **Project 1: Undergraduate Students BBS System**

- Realized the functions of basic BBS system and provided as a platform for sharing resources.
- Implemented the system using JSP, MySql.

Aug. 2009 – Oct. 2009 **Project 2: Graduated Students Thesis Answer System**

- Realized the information management of answer flow and improve working efficiency.
- Implemented the system with ASP.NET, Oracle.

Nov. 2008 – Aug. 2009 **Project 3: Programming Online Judge System**

- Provided a platform of online program development which has the functions of editing, saving, compiling and also support multiplayer develop and share the same program at the same time.

WORK EXPERIENCE

Jun. 2008 – Aug. 2008 **Internship, ChinaMobile Company Intern**

- Helped communicate with clients, handled IT affairs and maintained the company inner system

TEACHING EXPERIENCE

Sep. 2009 – Jan. 2010 **Teaching Assistant, School of Software Engineering, Beihang University**

- Undergraduate Course: Algorithm Analysis & Design

Sep. 2010 – Jan. 2011 **Teaching Assistant, School of Software Engineering, Beihang University**

- Undergraduate Course: Java Programming Language

Mar. 2011 – Present **Teaching Assistant, School of Software Engineering, Beihang University**

- Undergraduate Course: J2EE Architecture

COMPUTER SKILLS

- Research Interest: Natural Language Processing, Data Mining, Information Retrieval, Information Security
- Programming Language: C, C#, C++, Java
- Web Technologies: HTML, ASP, JavaScript, JSP
- Databases: SQL Server, Oracle, MySql

AWARDS AND HONORS

Sep. 2010 Excellent Student of Beihang University (Top 1%)

Sep. 2010 First Prize for Academic Excellent Student (Top 2%), Beihang University

Sep. 2009 Third Prize for ACM Programming Contest (Top 7 out of 160), Beihang University

Sep. 2009 First Prize for Innovative Student (Top 2%), Beihang University

Sep. 2009 Second Prize for Academic Excellent Student (Top 5%), Beihang University

Sep. 2009 National Scholarship(Top 2%), P.R.China

Sep. 2009 Merit Student of Beihang University (Top 10%)

Sep. 2008 Third Prize for Academic Excellent Student (Top 10%), Beihang University

Sep. 2008 Second Prize for Innovative Student (Top 10%), Beihang University