KYLE GAO

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EDUCATION

Master of Language Technology, Carnegie Mellon University   *Aug.2014 - Present*
Language Technology Institute
Bachelor of Science in Computer Science, Beihang University   *Sep.2010 - Jul.2014*
School of Computer Science & Engineering
Weighted Average Score: 90.15/100 **Rank: 3/217**
Exchange Student, National University of Singapore   *Aug.2012 - Dec.2012*
School of Computing   Supervised by Prof. Tat-Seng Chua
Cumulative Grade Average Point: 4.8/5

EXPERIENCE

Microsoft Research Asia   Apr.2013 - Jan.2014
Internship mentored by Lead Researcher Yunbo Cao

· Mentored by Dr. Chin-Yew Lin and Researcher Yunbo Cao, I tried to express the intents about entity attributes by mining query intent templates from query log. The mining process consists of two steps: (a) Automatically collect various expressions on attributes and (b) Group and ground the expressions to the attributes defined in a knowledge base. We propose a framework that employs a weakly-supervised and metric learning integrated clustering method to construct query intent templates.

· The framework was integrated into Microsoft Bing's query understanding module to improve the relevance and user experience of its searching results.

NLP&CC[1] 2012 Chinese Tweets Sentiment Evaluation   Jun.2012 - Nov.2012
Group Leader

· Won **1st** place of 53 entries in opinion detection task, and the **4nd** place in sentiment classification task.

· Implemented a new word detection algorithm that **improves the precision in sentiment classification by 10%.**

· Developed the framework for Text Sentiment Evaluation with word segmentation, dependency parsing, named entity recognition, and other preprocessing components integrated. Implemented the baseline system for comparison.

NExT Search Center   Aug.2012 - Dec.2012
Part-time Developer

· Implemented a module of a distributed real-time crawler by analyzing the layouts and structures of user generated content websites like Twitter, Amazon, and Flicker. Developed a web service system for researchers to obtain and explore the crawled data in research experiments.

MicroStrategy   Jun.2012 - July.2012
Intern Software Engineer

· Developed a web service system for large-scale e-commerce transaction.

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[1]NLP&CC is short for Natural Language Processing and Chinese Computing Conference

HONORS&AWARDS

Microsoft Young Fellowship (Aug.2013)
   - to the 36 best students from the 12 top universities in China for research potentials
China Computer Federation Outstanding Student (Oct.2013)
   - to the 100 best Computer Science students in China
SAMSUNG Scholarship (Oct.2012)
   - 1 out of 217 students in School of Computer Science and Engineering, Beihang University
National Scholarship (Oct.2011)
   - 3 out of 217 students in School of Computer Science and Engineering, Beihang University
First Prize Scholarship for both academic records and cultural activities (Oct.2011)
   - 2 out of 30 students
Innovative Prize (between first prize and second prize) of FengRu Cup for Students Scientific and Technological Practice (Mar.2011)
Best Photo Prize of 3rd World University Students Photographic Art Exhibition (Apr.2011)
First Prize of National Olympiad in Informatics in Provinces (Dec.2008)

MISCELLANEOUS

Teaching	Student Teacher at Secondary School of Programming in Beihang University - taught basic algorithms and data structures for students not majoring in computer science
Activities	Student member of ACM&CCF Vice-President of the Student Union of the School of Computer Science and Engineering Volunteer Translator for TED&Coursera Professional Photographers of America Amateur top level certificate of piano