JING CHEN

Language Technologies Institute, Carnegie Mellon University
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EDUCATION

M.S. in Intelligent Information System (MIIS), Carnegie Mellon University　　Aug 2015-Present
Language Technologies Institute, School of Computer Science

B.S. in Computer Science, Nanjing University　　Sep 2011-Jun 2015
Department of Computer Science and Technology
Participant of the *National Elite Program* (*20 selected from about 200 CS undergraduates in class 2015*)
GPA: 90/100　**Rank:** 1/20 in the *National Elite Program*

Oxford Summer Institute, University of Oxford　　Aug 2014-Sep 2014
Participant of the *Natural Science Program*
Project: Solving Heat Diffusion Problem with Numerical Methods (supervised by Dr. Colin Macdonald)

RESEARCH INTERESTS

Natural Language Processing, Information Retrieval, Machine Learning

RESEARCH EXPERIENCE

Research Assistant, Natural Language Processing Lab　　Sep 2013-Jun 2015
Advisor: Associate Prof. Xinyu Dai　　Nanjing University

Question Classification with Multiple Kernel Learning
- Proposed to perform named entity recognition before extracting bag-of-words features
- Studied syntactic and semantic features of questions, and implemented tree kernels, e.g. ST, SST, etc.
- Trained classifiers from different question features with multiple kernel learning framework
- Composed a thesis where multi-kernel classifiers and single-kernel SVM classifiers are compared

Real-time Chinese Social Media Mining
- Developed a fast crawler to accumulate real-time social data via Sina Microblog social API
- Applied statistical NLP algorithms to perform Chinese social text analysis, sentiment analysis, etc
- Achieved promising performance by efficiently visualizing user profiles , time events, etc with D3.js

Research Assistant, Websoft Research Lab　　May 2012-May 2013
Advisor: Prof. Yuzhong Qu　　Nanjing University

Ontology Based Recommender System
- Incorporated semantic knowledge in the form of domain ontology
- Developed a collaborative recommender system based on ontologies

WORK EXPERIENCE

Undergraduate Course *Introduction to Computer System*　　Sep 2014-Jan 2015
Teaching Assistant　　Nanjing University

- Assisting teaching of Prof. Chunfeng Yuen and Prof. Tong Lu by preparing project slides
- Guiding sophomore with course project about implementing a simplified x86-like emulator

Honors and Awards

Outstanding Graduate of Nanjing University (**top 10%**)	2015
Elite Program **Outstanding** Scholarship (12,000 CNY)	2014, 2013
Outstanding Collegiate Student of Jiangsu, China (**top 0.3%**)	2014
COMAP Mathematical Contest in Modeling (MCM) Award **Meritorious Winner**	2014
CUMCM Award, Third Class Contest Prize of Jiangsu District	2013
Outstanding Student of Nanjing University for Academic Excellence (**top 3%**)	2013
Outstanding Student of Depart. of Computer Science & Technology for Leadership (**top 3%**)	2012
Elite Program **First Class** Scholarship (8,000 CNY)	2012

Selected Course Projects

Sudoku Solver (Best Performance)   Sep 2014

- Proposed a heuristic function and introduced pruning to implement a Sudoku solver with A* algorithm
- Achieved best efficiency with least storage cost in *AI* course class taught by Prof. Yang Gao

Compiler for Self-designed C– Language   Feb 2014-Jun 2014

- Designed and developed a compiler based on lex and yacc for the self-designed language C–
- Implemented modules including lexical&syntactic check, semantic analysis, intermediate code and target code generation

NanOS Project   Feb 2013-Jun 2013

- Designed and developed a micro-kernel operating system capable of executing user programs
- Implemented modules including context switching, message mechanism, system calls and user process

Skills

Programming Languages	C/C++, MATLAB, Python, LaTeX
Tools	svmlight, libsvm, scikit-learn
Operating System	MacOS, Windows, Ubuntu, Debian
English	TOEFL 105(S23), CET-4 664, CET-6 597

Activities and Leadership

Membership	Microsoft Research Asia (MSRA) Student Alumni	May 2014-Jul 2015
	MOOC Chinese Subtitle Translation Group for Coursera	2012-Present
Participant	Microsoft Summer Camp Beijing 2014 (Invitee)	Aug 2014
	Microsoft YouthSpark Live 2014	May 2014
Primary Organizer	Academic Visit to Hong Kong universities, including HKUST, HKU, etc	Aug 2012
Student Volunteer	The 110th Anniversary of Nanjing University	May 2012
	The 11th CRSSC National Conference	Dec 2011