

Mingzhi(Matthew) Zeng

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA MIIS - Language Technologies Institute *Dec. 2015*
Selected Courses: Introduction to Machine Learning(Phd Level), Algorithms for NLP, Search Engines
Nanjing University, Nanjing, China B.S. in Computer Science **Major GPA:** 3.80/4 *June 2014*
Selected Courses: Algorithm Design & Analysis, Introduction to Data Mining, Software Engineering

SKILLS

Fundamental: Data Structures, Algorithm Design, Software Engineering, TCP/IP Networking, Unix/Linux
Programming: C++, C#, Java, Python, PHP, SQL, MATLAB, R, LaTeX, HTML, CSS, Javascript, Git

AWARDS

- iGEM Asia Jamboree Gold Medal, Advanced to World Championship 2013
- Fujitsu Scholarship, Nanjing University (1%) 2011 - 2012
- National Scholarship, Nanjing University (1%) 2010 - 2011

INTERNSHIP EXPERIENCE

Microsoft Asia-Pacific R&D Group July 2013 - Oct. 2013
Software Development Engineer in Test *Shanghai, China*

- Reviewed test logs; located and fixed Billing failures in Microsoft Commerce Transaction Platform(CTP)
- Reviewed bugs; cooperated with the SDE team to verify related code check-in
- Helped with the migration of the CTP system from Shanghai to Redmond

SELECTED PROJECTS

Teachable Relations and Event Extractor Aug. 2014 - Present
Advisor: Prof. Anatole Gershman

- Building the ontology to boost the learning process of the TREE event and relation extraction system.

Intelligent Search Engine based on Social Network Analysis May 2012 - June 2013
Advisor: Prof. Junyuan Xie and Prof. Chongjun Wang

- Developed a fully-functioning search engine platform that crawls and retrieves posts in personal social network.
- Reranked the results according to content relevance, user intimacy and interest similarity.

SELECTED COURSE DESIGNS

Utilizing Product Reviews to Predict Ratings for New Product(ML) Sep. 2014 - Dec. 2014

- Built an LDA-based topic model from Amazon review text to improve precision in the lack of reviews.

Multi-Algorithm Search Framework(Search Engines) Aug. 2014 - Dec. 2014

- Built a retrieval framework that consists of Boolean, BM25, Indri retrieval algorithms.
- Handles multiple representations, query expansion, and Learning-to-Rank.

Visualization of A Guide to the Middle East(Intro. to Network Science) Sep. 2014 - Oct 2014

- Visualized the Middle East situation using R language to make sense of an originally complicated description.

LAMDA Activity Recognition Contest(Introduction to Data Mining) Apr. 2013 - May 2013

- Predicted user activity from sensor data using Bayes classifier and Ensemble Learning.

SoseaDisk: A Distributed Storage System(Java Programming) Oct. 2013 - Dec 2013

- Built a semi-centralized cluster structure to improve reliability and efficiency by assigning Super Nodes.

BTOOOM Multiplayer Game(Software Engineering) Mar. 2013 - Jun 2013

- Worked as the leader of a 6-people group and built a multiplayer bomber game following Agile principles.