Ai He
1360 Braebridge Rd, San Jose, CA, 95131

(213) 595-8439 • aihe@usc.edu

OBJECTIVE

A position as a software engineer with special interests in Machine Learning or Data Mining

EDUCATION

Master of Science, Computer Science, University of Southern California, LA, 2012-2014
Cumulative GPA: 3.82/4.00
Selective Coursework:

- Probabilistic Reasoning(Probability Graphical Model) · Machine Learning · Natural Language Processing
- Analysis of Algorithm · Web Technology · Database System

Bachelor of Science, Computer Science, Beihang University, Beijing, 2008-2012
Cumulative GPA: 3.62/4.00

SKILLS

Programming Languages
Java, Python, Matlab, Objective-C, PHP, HTML, CSS, C, JavaScript, SQL

Tools & Frameworks
Numpy, Scipy, scikit-learn, Lucene, Solr, Weka, LaTeX, Git, Emacs, J2EE, Maven, SVN

Systems
Linux, MAC OS, Windows, Andriod, IOS

EXPERIENCES

Programming Analyst, Division of Biomedical Informatics, University of California, San Diego
2014-present

Student Researcher, Information Sciences Institute, USC, Los Angeles   2012-2013
- Worked on Accelerating Curation of GWAS Catalog by Automatic Text Mining
- Did research on Natural Language Processing and Machine Learning Technologies

Web Developer, Department of Computer Science, Tsinghua University, Beijing   2011-2012
- Worked on Chinese Review Miner System
- Took charge of all data about digital products crawled from ZOL, Buy360 (Chinese Amazon)
- Constructed and maintained the databases, the indices and web search back-end(implemented by Lucene)

PROJECTS

Building a causality knowledgebase from Yelp review, Yelp Dataset Challenge,   2013

Eye-Movement Modeling with Graphical Models, Department of Computer Science, USC, Los Angeles   2014

Handwritten Digit Classification Department of Computer Science, USC, Los Angeles   2013

Named Entity Recognition Using Weka Department of Computer Science, USC, Los Angeles 2013

PUBLICATIONS

Ai He, Shefali Sharma and Chun-Nan Hsu, Reconstructing Big Semantic Similarity Networks. in Proceedings of the *TextGraph-8 Workshop(EMNLP 2013)*, Seattle, Washington, USA

ACTIVITIES

Third Chinese Opinion Analysis Evaluation, Professional Committee of Information Retrieval, 2012

HONORS & AWARDS

BMW Scholarship, Beihang University, 2010 (for Top 3 Students in Department)
"Merit Student", Beihang University, 2010