QINGLIN LI

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EDUCATION

Northwestern University *GPA:* 4.0/4.0 SEP 2015 - DEC 2016 (Expected)
M.S. in Computer Science
Coursework: Machine Learning, Biometrics, Data Science, Computer Vision, Geospatial Vision and Visualization, CUDA programming, Human Computer Interaction

Shanghai Jiao Tong University, China *GPA:* 3.5/4.0 SEP 2011 - JUN 2015
B.S. in Computer Science & Engineering
Coursework: Statistical Learning, Scientific Computing, Algorithms, Operating System, Computer Network, Database, Computer Architecture, etc.

SKILLS

Programming Languages	C/C++, Java, Ruby, Python, MATLAB
Application Development	HTML, CSS, Bootstrap, Ruby on Rails, Java Swing
Machine Learning & Computer Vision	scikit-learn, scikit-image, OpenCV
Tools & Others	Vim, LaTeX, Linux/Mac OS X, MySQL, Git

EXPERIENCE

Research Intern *Microsoft Research Asia, Beijing* AUG 2014 - FEB 2015
Team: Natural Language Computing, Mentor: Dr. Mu Li

- Collected text data from Internet and analyzed the English-Chinese relationship with rules, using Python and Mechanize.
- Implemented a graphical model to solve entities translation problem between English and Chinese knowledge bases by utilizing the relations between entities. Outperformed traditional machine translation algorithms. Using Python and scikit-learn.

Research Student *BCMI Lab, Shanghai Jiao Tong University* JUL 2013 - AUG 2014
Research Area: Computer Vision, Mentor: Prof. Liqing Zhang

- Worked on mining rich low-level computer vision features and testing different regression models to solve the crowd density estimation problem, using Python, scikit-learn and OpenCV.

PROJECTS

Fatworm Database System *Shanghai Jiao Tong University* FALL 2014

- Developed a relational database system supporting JDBC interface including SQL parser, query engine and file storage in Java.

Nachos Operating System *Shanghai Jiao Tong University* FALL 2013

- Implemented threading and multiprogramming, virtual memory, and a self-designed file system within the Nachos operating system in Java.

C Language Compiler *Shanghai Jiao Tong University* SPRING 2013

- Developed a compiler supporting most features of the C Language and targeting the MIPS architecture including parser, syntax checking and the linear scan algorithm for register allocation in Java.

Simulated CPU *Shanghai Jiao Tong University* SPRING 2013

- Simulated a CPU with Tomasula algorithm for dynamic instruction scheduling in Verilog.

HONORS

Ranked 4th out of 146 in **ACM-ICPC** Mid-Central USA Regional Contest 2015
Second Prize in Mathematical Contest in Modeling (MCM) 2014