

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, L^AT_EX, Linux/Mac OS X, MySQL, Git

EXPERIENCE

Research Intern

AUG 2014 - FEB 2015

Microsoft Research Asia

Beijing, China

- Coordinated with team members in the Natural Language Computing team with a focus on machine translation research.
- Collected text data from Internet and analyzed the English-Chinese relationship with rules, using Python and Mechanize.
- Implemented a graphical model to solve the entity translation problem between English and Chinese knowledge bases by utilizing the relations between entities using Python and scikit-learn. This model outperformed traditional machine translation algorithms. .

Research Student

JUL 2013 - AUG 2014

BCMI Lab of Shanghai Jiao Tong University

Shanghai, China

- Cooperated with teammates to solve the pedestrian counting problem by mining rich low-level computer vision features and testing different regression models using Python, scikit-learn and OpenCV. The project was selected as a Shanghai city Undergraduate Innovative Practice Program.

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 of the C Language targeting the MIPS architecture including parser, syntax checking and the linear scan algorithm for register allocation in Java.

HONORS

Ranked 4th out of 146 in **ACM-ICPC** Mid-Central USA Regional Contest

2015

Second Prize in Mathematical Contest in Modeling (MCM)

2014