

# QINGLIN LI

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## OBJECTIVE

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I'm looking for a 2016 summer internship in software development or data science related area.

## EDUCATION

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**Northwestern University** SEP 2015 - DEC 2016 (Expected)

M.S. in Computer Science

Coursework: Machine Learning, Biometrics, Data Science

**Shanghai Jiao Tong University, China** GPA: 86.8/100 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

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<b>Programming Languages</b>	C/C++, Java, Ruby, Python, MATLAB
<b>Application Development</b>	HTML, CSS, Bootstrap, Ruby on Rails, Java Swing
<b>Machine Learning &amp; Vision</b>	scikit-learn, scikit-image, OpenCV
<b>Tools &amp; Others</b>	Vim, L <sup>A</sup> T <sub>E</sub> X, Linux/Mac OS X, MySQL

## EXPERIENCE

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**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, NumPy 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 crowd density estimation problem, using Python, scikit-learn and OpenCV.

## COURSE PROJECTS

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**GitHub:** <https://github.com/lostleaf>

**Database System Lab** *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 Lab** *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.

**Compiler Lab** *Shanghai Jiao Tong University* SPRING 2013

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

**Computer Architecture Lab** *Shanghai Jiao Tong University* SPRING 2013

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