

QINGLIN LI

+1 (847) 246-2457 ◇ qinglinli2015@u.northwestern.edu
1915 Maple Avenue, APT 910-A, Evanston, IL, 60201
Github: github.com/lostleaf

EDUCATION

Northwestern University *Chicago, USA* GPA: 4.0/4.0 SEP 2015 - DEC 2016 (Expected)
M.S. in Computer Science

Shanghai Jiao Tong University *Shanghai, China* GPA: 3.5/4.0 SEP 2011 - JUN 2015
B.S. in Computer Science & Engineering

EXPERIENCE

Computer Vision Engineer Intern JUN 2016 - SEP 2016
HERE North America LLC *Chicago, USA*

- Trained a deep convolutional neural network (fully convolutional encoder-decoder structure) for lane detection with Caffe. This model could detect most of the lane lines when tested with street view images on highways.
- Created wrappers for Caffe Deep Learning training and testing automation in Python.
- Implemented a tool for LiDAR point cloud colorization with street view images in C++, OpenCV and GeographicLib.
- Cooperated with other team members to QA the road geometry generated from the LiDAR high definition map pipeline.

Research Intern AUG 2014 - FEB 2015
Microsoft Research Asia *Beijing, China*

- Research on the knowledge bases entities English-Chinese translation problem with Natural Language Processing team and implemented a graphical model with Python and Numpy. Compared to a SVM baseline, accuracy is improved from 50% to 90% when tested on a movie knowledge base.
- Wrote crawlers to collect and analyze English-Chinese translations from Internet in Python.

Research Assistant JUL 2013 - AUG 2014
BCMI Lab of Shanghai Jiao Tong University *Shanghai, China*

- Researched on feature engineering of the crowd density estimation problem and proposed a easy to train method combining a rich bank of low level image features and non linear support vector regression reached state-of-the-art performance. This work is then selected as a Shanghai College Student Innovation Practice Project.

Team leader SEP 2015 - NOV 2015
CoolWildCats ACM-ICPC team of Northwestern University *Chicago, USA*

- Led the CoolWildCats team, representing Northwestern University, won the 4th place in 2015 ACM-ICPC Mid-Central USA Regional contest.

SKILLS

Years of experience in Computer Vision (OpenCV) and Machine Learning
Proficient in C++ and Python

Working Experience in Deep Learning frameworks Caffe, Tensorflow and MXNet

Experience in Java, Ruby, MATLAB, Linux commands and tools such as Vim and Git

Knowledge of Web development skills including HTML, CSS, JavaScript, Ruby on Rails and MySQL

SERVICES

Coach of Rails Girls Beijing 2014

Teaching Assistant for the C++ programming course at Shanghai Jiao Tong University 2013