

# Liu LIU

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## WORK EXPERIENCE & PUBLICATIONS

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### China Academy of Urban Planning and Design (Shanghai Branch)

Urban Planner

- Comprehensive Planning of the Economic Development Zone in Dongying, Shandong Province

Shanghai, China

July 2014 – present

### Urban Economics Lab

Research Assistant

- Conducting data mining through multiple web-based channels (from Panoramio and Flickr)

Cambridge, MA

Nov 2013 – Jun 2014

### Metropolitan Transportation Authority, NYC

College Aide in EVP Operations Planning Department

- Writing the report on the usage of MetroCard based on AFC daily database from July 2012 to Jun 2013
- Designed the data collection system for GTFS real time data with coding (python, java)

New York, NY

Jun 2013 – Aug 2013

### Clean Energy City in China Research Team

Research Assistant (<http://energyproforma.mit.edu>)

- Wrote the policy section of the final report on the central government level, provincial level, and municipal level
- Drafted economic policy within a new framework of the guideline based on Energy Proforma

Cambridge, MA

Sept 2012 – May 2013

### Re@city centre, Tongji Urban Design and Planning Institute

Assistant Designer

- Took charge of the 30-hectare residential economic design project in Shangnan, Shaanxi Province
- Completed spatial structure analysis and participated in the urban sub-center design project in Tongxiang, Zhejiang Province

Shanghai, China

July 2012 – Aug 2012

### Pan Haixiao Urban Planning and Design Studio

Assistant Planner

- Reported the town of Huoqiu's demographic analysis based on data collection from 10 municipal bureaus
- Facilitated the industry plan for the Huoqiu, Anhui Province based on analysis report

Anhui & Shanghai, China

Aug 2011 – Nov 2011

### Suzhou Planning Bureau

Researcher

- Conducted the research on spatial syntax of the historical Pingjiang road in Suzhou, Jiangsu Province
- Summarized eight prototypes of traditional water town components for local historical urban fabricate

Suzhou, China

Jan 2008 – Feb 2008

### “Analysis on Our Urban Air Quality and Factor of Influence – Based on the data from 79 cities in China”

Mar 2011

- Studied the air quality of 79 cities in China based on the demographic data and the 3 basic indicators: SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>10</sub>
- Solo author, Journal of Suzhou University of Science and Technology Vol.24, No.1

## EDUCATION

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### Massachusetts Institute of Technology

Master in City Planning, City Design and Development Group

Thesis: C-IMAGE, City Cognitive Mapping Through Geo-Tagged Photos

Cambridge, MA

June 2014

### Tongji University

Bachelor of Engineering Degree in Urban Planning

GPA 4.81/5.00 (highest in recent 5 years, 1 of 57)

Transportation Engineering (major transfer)

Shanghai, China

June 2012

June 2007

## SOFTWARE SKILLS

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Arc GIS, PostgreSQL, SQLite, MySQL, Python, R, Processing, Gephi, MS Office, SketchUp, Rhino, Auto CAD, Adobe CS6

## HONORS & AWARDS

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Half Scholarship in DUSP

2013

National Scholarship

2007, 2008, and 2009

1st Prize in Excellent Student scholarship of Tongji University

2006, 2007, 2008, 2009, 2010, and 2011

Jiangsu Youth Friendship Ambassador

Aug 2012

Volunteer for Shanghai 2010 EXPO

May 2010