

Zheng Liu

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EDUCATION

UNIVERSITY OF MARYLAND
PhD, Geographic Information Science

College Park, MD
Aug. 2017—Present

PEKING UNIVERSITY
B.S., Geographic Information Science
B.S., Mathematics and Applied Mathematics

Beijing, China
2013 – 2017

WORK AND RESEARCH EXPERIENCE

PEKING UNIVERSITY

Beijing, China

Scientific Research Fund for undergraduates studying at Beijing Key Lab of Spatial

Information Integration and 3S Application:

May 2015 – May 2016

- Using Sina Weibo (a microblogging site like Twitter) data relating to Peking University, I designed a research model to analyze tour behaviors and draw a heat map of social media data with geo-tags created at Peking University.

PEKING UNIVERSITY

Beijing, China

The Principal's Fund for undergraduates:

Sept. 2015 – Oct. 2016

- Used a data-drive method to analyze tourists' behavior patterns in Beijing with data extracted from the Sina Weibo Application Programming Interface (Sina API) backed up by statistics and other methods of classification.
- Extracted more than 100 million pieces of data from Weibo using geo-tags from Sina API.
- Analyzed the temporal and spatial features of data in order to evaluate travel behavior patterns.
- Demonstrated cognitive map to convey destination image.

JOINT SUMMER SCHOOL OF TU MUNICH AND TSINGHUA UNIVERSITY

Beijing, China

Latest Achievement in Transportation Engineering and Logistics:

Jul. 2015

- Lectures and practical class in transportation
- Seminar in Logistics

HUMBOLDT UNIVERSITY, BERLIN

Berlin, Germany

ZDS-Summer School 2016: German Language and Culture:

Jul. 2016

- Studied German to Level A2.
- Attended lectures and seminars in Law, Literature and Architecture.

IT SKILLS & LANGUAGES

- C, C++, C#, SQL, Matlab, SAS, ArcGIS, ENVI – Proficient
- Python, JavaScript, JSON, MIPS, OpenCV, OpenGL, CorelDraw, LaTeX, Lingo – Intermediate
- Machine learning – Beginners
- Chinese & English – fluent
- German – beginners

EXTRACURRICULAR ACTIVITIES

- Hobbies: Tennis, Softball, Fitness