

**Ziqi Li**

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2016 June

## Education

September 2014 – May 2016

### **Master of Arts in Geography**

#### **Department of Geography, George Washington University**

- Cum. GPA: 4.0/4.0
- Advisor: Prof. Nikolay Shiklomanov
- Thesis: Analysis of Remotely-sensed, Reanalysis and Observational Data to Assess Land Surface Temperature Change in the Lower Yenisei River Region of Russia

September 2012 – July 2014

### **Bachelor of Environmental Studies in Geomatics**

#### **Minor in Computer Science**

#### **Diploma of Excellence in GIS**

#### **Department of Geography and Environment Management, University of Waterloo**

- Degree Honors: Dean's Honors List
- Excellent academic standing
- Cum. GPA: 3.8/4.0
- Advisor: Prof. Claude Duguay
- Thesis: Evaluate the potential applicability to estimate thawing season active layer depth using MODIS LST and NDVI in North Slope of Alaska, USA

September 2010 – July 2012

### **Bachelor of Engineering in Remote Sensing**

#### **School of Remote Sensing and Information Engineering, Wuhan University, China**

- Cum. GPA: 84.4/100

## Research Experience

September 2014 – May 2016

### **George Washington University | Graduate Research Assistant**

CALM Group, Department of Geography, supervised by Prof. Nikolay Shiklomanov

- Incorporating satellite images and field-measured climate variables to quantify permafrost degradation and climate change in the Arctic (Alaska and Siberian).
- Impacts of urban and industrial development on Arctic land surface temperature in Lower Yenisei River Region.
- Primarily using Python and R with open-source geographic packages to conduct spatio-temporal analysis.

May 2015 – June 2015

### **The World Bank | STT Consultant**

Development Research Group, supervised by Dr. Harris Selod

- Re-building world accessibility model with global DeLorme transportation network and connected with spatial agricultural data.

August 2013

**GIS Assistant | University of California, Berkeley**

Department of Environmental Science, Policy and Management

- Analyzed field-measured GPS and spatial species data and connected with protected areas and climate variables in Ghana and Madagascar.
- Worked with Dr. Nyeema Harris.

June – July 2013

**Remote Sensing Research Assistant | Ministry of Environmental Protection, China**

Satellite Environment Center, supervised by Dr. W. Shen and Dr. Ying Li

- Contributed to the project entitled China's national survey and assessment of environmental and ecological changes from remote sensing data.
- Processed and analyzed MODIS imagery for monitoring urban heat island in Beijing over past decade.

## **Publications and Presentations**

### **Peer-reviewed publications**

Li, Z., Zhang, Z., & Davey, K. (2015). Estimating Geographical PV Potential Using LiDAR Data for Buildings in Downtown San Francisco. *Transactions in GIS*. doi: 10.1111/tgis.12140.

### **Conference presentations**

Li, Z., & Shiklomanov, N. (2015). Impacts of urban and industrial development on Arctic land surface temperature in Lower Yenisei River Region. Poster presentation at *American Geophysical Union (AGU), San Francisco CA, Dec 2015*.

Shiklomanov, N., Nelson, F., Streletskiy, D., Klene, A., & Li, Z. (2015) CALM at 21: Results of long-term monitoring of the active layer/upper permafrost system. Oral Presentation at *American Geophysical Union (AGU), San Francisco CA, Dec 2015*.

Li, Z., & Shiklomanov, N. (2015). Effects of Arctic Urban and Industrial Development on Land Surface Temperature: A Case Study for the Norilsk Region, Russia. Oral Presentation at *Association of American Geographers (AAG), Chicago IL, April 2015*.

## **Selected Awards and Honors**

2014 – 2016	University Fellowship (full-tuition), GWU
2014 – 2016	Graduate Research Assistantship (on NSF sponsored project), GWU
2015 Summer	Campbell Summer Research Grant, GWU
2014 Summer	Graduate on Dean's Honors List, UWaterloo
2012	Chinese Universities Entrance Scholarship, UWaterloo

## **Memberships**

American Geophysical Union (AGU)

Association of American Geographers (AAG)