Xinyuan Li

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EDUCATION BACKGROUND

09/2017~09/2018 **Boston University** (Boston, MA, USA)
Master of Arts in Environmental Remote Sensing and Geographic Information Systems
GPA: 3.96/ 4.0

08/2013~06/2017 **Shandong University of Science and Technology** (Qingdao, Shandong, China)
Bachelor of Science in Geographical Information Science
GPA: 3.89/ 4.0

RESEARCH AND PROFESSIONAL EXPERIENCES

11/2018~present **A Moderate Spatial Resolution Data Record of 21st Century Global Land Cover, Land Use, and Land Cover Change (MEaSUREs, NASA)**
Research Assistant
- Assisted in identifying global land use and land cover by interpreting Landsat time series, high-resolution imagery and all available reference data;
- Helped develop the global database of high-quality training dataset that will be used to estimate classification models

07/2018~present **Landscape-Scale Histories and Active Monitoring of Disturbance, Seasonality and Greenness Trends for ABOVE from Landsat (ABoVE, NASA)**
Research Assistant
- Analyzed and identified the land cover type and disturbance agents in North American boreal forest by interpreting vegetation indices, Landsat time series and all available reference data;
- Collected training data for classifier and assessed the accuracy of the map products

03/2018~05/2018 **Monitoring and mapping the expansion of deforestation on the boundary area of Xingu National Park in Mato Grosso, Brazil, Class Project (Digital Image Processing)**
- Understood the context for the deforestation state in Brazilian Amazon by looking up massive of materials, high-resolution imagery and existing maps;
- Used the random forest classification algorithm to classify the forest cover change by based on long-term Landsat archive and assessed the accuracy of the deforestation map

12/2016~5/2017 **Modeling the drifter movement in the ocean, Northeast Fishery Science Center of National Oceanic and Atmospheric Administration (NOAA)**
Research Assistant
- Analyzed the drifter moving trajectory in the ocean by comparing the real drifter trajectory with the modeled trajectory (from FVCOM and ROMS)

07/2016~10/2016 **Qinghai-Tibet Plateau Lakes Management System based on Landsat Archive, Institute of Tibetan Plateau Research, Chinese Academy of Sciences (CAS)**
Research Assistant
- Developed a Landsat imagery database and query system for the institute to collect lake data and monitor lakes in Qinghai-Tibet Plateau

02/2015~08/2015 **Human behavior pattern recognition through large volume of flight data and taxi trajectory data, Peking University**
Team Leader
- Smoothed and generalized travel data to summarize the main pattern of moving; made statistics of the distribution of travelling distance and regional interaction strength; used gravity model to simulate the impact of distance upon the regional interaction strength; measured the spatial autocorrelation based on vector data; generated complex network and did analysis based on the network

10/2014~11/2014	**Qingdao Research Institute of Surveying and Mapping (Center for Geomatics and Remote Sensing)**

Intern

- Assisted to maintain the "Mapworld" (National GIS Public Service Platform);
- Participated in the Geological Disaster Assessment project, and modeled the expected damage level of potential landslide area;

OTHER SELECTED ACTIVITIES

07/2014	**Seminar at Surveying & Geographical Information Administration in Jiangxi Province**
07/2015~08/2015	**Establishment of control network and mapping, Fieldwork of Geodesy class** *Group Leader*
07/2015~08/2015	**Voluntary Teaching Team of University in rural area in Qinghai Province**
07/2014~09/2014	**Voluntary Teaching Team of University in rural area in Gansu Province** *Team Leader*
05/2015~07/2016	**Housing Daily-Rental Business** *Airbnb Host*

HONORS AND AWARDS

Scholarship

11/2014	National Scholarship (top 0.3%)
12/2015	Scholarship of the Board of University (top 0.3%)
05/2014~05/2016	First-Class Scholarship (five times in two years) (top 15%)

Awards

11/2015&10/2014	Outstanding Student of the University
05/2016	The First Prize in the Software Design Contest of the University (top 1/20 teams) *(Topic: Visualization of Complex Networks)*

LANGUAGES AND OTHER SKILLS

TOEFL: 98 (Reading 29, Listening 20, Speaking 23, Writing 26)

GRE: 326+3.5 (Verbal 156, Quantitative 170, Analytical Writing 3.5)

Computer Skills: C, C++, C#, Python, R, MATLAB, Google Earth Engine, QGIS, ArcGIS, ENVI, MapGIS, SuperMap, AutoCAD.