

CURRICULUM VITAE
Yuanfan Zheng, PhD Student

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Education

PhD, with a Specialization in Urban Energy, GIS, and Remote Sensing
Department of Earth and Environmental Systems, Indiana State University
Advisor: Dr. Qihao Weng
August 2012 –Present

Master of Arts, Geography
Department of Geosciences, California State University
September 2008 –August 2011

Bachelor of Sciences, Geography
Department of Geography, Fujian Normal University, China
September 2004 –June 2008

Highlight of Qualifications

- Excellent skills in GIS spatial analysis
- Familiar with Remote Sensing image processing and analysis
- Strong research ability
- Enthusiastic at teaching
- Well-trained at field work
- Great communication abilities with students, as well as supervisory skills
- A good team worker, organized, happy to take constructive criticism
- A fast learner and open to suggestions and recommendations
- Self-motivated, complete the work ahead of time

Publication

Peer-reviewed journal article:

Zheng, Y. and Weng, Q. (2015). Model-driven Reconstruction of 3D Buildings Using LiDAR data, *IEEE Geoscience and Remote Sensing Letters*, vol. 12, 7, 1541-1545.

Book chapter

Zheng, Y. and Weng, Q. (2016). Remote Sensing for Sustainability, CRC Press Editors, 17, 317-349.

Conference Paper

Zheng, Y. and Q. Weng. 2016. Evaluation of the correlation between remotely sensing-based and GIS-based anthropogenic heat discharge in Los Angeles County, USA. *Proceedings of 2016 Fourth International Workshop on Earth Observation and Remote Sensing Applications*, Edited by Weng, Q., Gamba, P., Xian, G., Chen, J.M.

and S. Liang, pp. 324-328. Guangzhou, China, July 4-6, 2016.

Zheng, Y. and **Q. Weng**. 2014. Assessing solar potential of commercial and residential buildings in Indianapolis using LiDAR and GIS modeling. *Proceedings of 2014 Third International Workshop on Earth Observation and Remote Sensing Applications*, Edited by Weng, Q., Zeng, S.Q., Zhu, J.J., and C.Q. Zhu., pp. 398-402. Changsha, China, June 11-14, 2014.

Zheng, Y. and Qiu, H. 2014. Mapping Urban Landuse Types in Los Angeles Using Multi-date Moderate-Resolution Imaging Spectroradiometer Vegetation Image Products, *Proceedings of 2014 Third International Workshop on Earth Observation and Remote Sensing Applications*, Shanghai, China, June, 2012.

Research Experience

GIS Assistant, 2011, California State University, Los Angeles, Department of Geosciences and Environment, Participate in the development of a Geographical Information System (GIS) project

- Organize a group of students to collect the data from the field
- Provide training to new team members
- Write tutorial, user guide and status report writing
- Designed and developed the multi-scale cartographic map layers published on ArcGIS server on GPS

Teaching Experience

Spring 2016

Teaching Assistant for Dr. Weng's ENVI-507 Introductory Digital Image Processing Class

Provide guidance for students' lab exercises

Spring 2014

Teaching Assistant for Dr. Weng's ENVI-507 Introductory Digital Image Processing Class

Provide guidance for students' lab exercises

Fall 2013

Teaching Assistant for Dr. Weng's ENVI-550 Environment Modeling & Mapping Class

Provide guidance for students' lab exercises

Deliver a guest lecture (assessing solar potential of commercial and residential buildings in Indianapolis using GIS modeling)