

# Xueli Yang

Ph.D. Student, Graduate Research Assistant  
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## Education

- Aug. 2019 - Present**                      **Doctoral Study in Hydrosystems Engineering**  
Arizona State University, Tempe, USA  
Direction: Urban Climate, Urban heat island effect
- Sep. 2015 - Jun. 2018**                      **Master of Engineering in Hydraulic Engineering**  
China Agricultural University, Beijing, China  
GPA: 85/100
- Sep. 2016 – Sept. 2017**                      **Visiting Scholar in Environmental Sciences**  
University of California, Riverside, USA  
Sponsored by China Scholarship Council in Joint-Master Student program in 2016
- Sep. 2011 - Jun. 2015**                      **Bachelor of Engineering in Hydrology and Water Resources Engineering**  
Tianjin Agricultural University, Tianjin, China  
GPA: 89/100

## Research Experience

- Aug. 2019 - Present**  
**Graduate Research Assistant: Urban Environment Research**  
Arizona State University, Tempe, USA  
Advisor: Dr. Zhihua Wang  
Current research focuses on model evaluation in urban climate and urban heat island effect
- Sep.2017 – Jun.2018**  
**Independent Graduate Researcher: Modeling of Temporal and Spatial Variation of soil moisture**  
China Agricultural University, Beijing, China  
Advisor: Dr. Xinmei Hao  
Simulated the soil water movement in time and space scale with different soil saturated hydraulic conductivity distributions and soil types, studied the parameters in variation model of geo-statistic analysis on soil moisture.
- Sep.2016 – Sep.2017**  
**Visiting Scholar: Environmental Sciences**  
University of California, Riverside, Riverside, USA  
Advisor: Dr. Jirka Simunek  
Modeling of water movement in heterogeneous soils using Hydrus-2D and Evaluating sensitivity of parameters of hydrological model.
- Jun. 2015 - Sep. 2015**  
**Independent Graduate Researcher: Field experiment in quantify soil parameters and irrigation water optimization**  
Center for Agricultural Water Resources, Wuwei, China  
Advisor: Dr. Xinmei Hao  
Monitored soil water content and evaluated soil properties like nitrogen content and evaporation rate, optimized irrigation water using Lingo.

## **Research Areas**

Hydrological tools and numerical modeling of hydrologic systems; planning and management of water resources; modeling in urban climate; remote sensing.

## **Awards and Scholarships**

Merit Student from 2012-2014;

National Encouragement Scholarship in 2014;

Outstanding Undergraduate Student in 2015;

Joint-Master Scholarship sponsored by China Scholarship Council in 2016