

# JIATENG XU

## EDUCATION

---

University of Minnesota - Twin Cities Minneapolis, Minnesota  
*Master of Geographic Information Science* September 2017 - Present

University of Waterloo Waterloo, Canada  
*Bachelor of Environmental Studies, Geomatics* July 2015 - June 2017  
*Minor in Computer Science*  
*Diploma of Excellent in Geographic Information Science*

Wuhan University Wuhan, China  
*Bachelor of Science, Geographic Information Science* September 2013 - June 2017

## RELEVANT SKILLS

---

**Spatial Analysis:** ArcGIS Pro, ArcMap, ArcGIS Online, ENVI, ERDAS, QGIS

**Programming:** Python, C language, MATLAB, HTML, JavaScript, PHP

**Development:** Web Development, Databases, Android Development

## RESEARCH EXPERIENCES

---

Object detection methods comparison of OBIA and CNNs, Group Leader September 2018 - December 2018  
Compare Rolling Windows, EM, and HMM in Fishing Activity Detection, Analyst January 2018 - April 2018  
Quantitative Assessment and Drone Data Processing for Rice Creek, Analyst October 2017 - December 2017  
The Carpool Website Design for University Based on WampServer, Group Leader January 2017 - April 2017  
The Assessment of Bike Accessibility Using ArcGIS Pro, Project Manager January 2017 - April 2017  
Twitter Data Usefulness Assessment and Spatial Crime Analysis, Analyst September 2016 - December 2016  
Lowe's Site Selection Consulting Utilizing Network Analysis, Group Leader March 2016 - August 2016  
The Impact of Sea Ice Changes on Polar Bear Populations, Analyst January 2016 - April 2016

## EMPLOYMENT HISTORY

---

**Research Assistant** Minneapolis, Minnesota  
U-Spatial - University of Minnesota September 2018 - Present

- Develop the Groundwater web app for academic support and dissemination proposes
- Research and answer questions about GIS, RS and spatial computing from students and faculty

**GIS Technical Support Intern** Beijing, China  
Global Aerospace Data Integration Center - CASIC June 2018 - August 2018

- Assisted the project manager to write the project proposal and prepare presentation slides
- Communicated with international partners from China, Canada and the Philippines
- Received the Outstanding Intern Award

**Data Manager & Web Designer** Beijing, China  
IGSNRR - Chinese Academy of Science July 2017 - August 2017

- Designed the website for field photo exhibition, downloading and uploading
- Designed the website for interactive analysis map exhibition of China-India border
- Arranged the survey files of high-standard farmland in Yunnan province