

WANG JIFEI

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Education Background

National University of Singapore	08/2020 - 06/2022 (Expected)
<ul style="list-style-type: none">• College: Faculty of Arts and Social Science• Major: Geography, Master of Social Science (Research-based)• Overall GPA: 4.83/5.0 (updated in Jan. 2021)	
Wuhan University	09/2016 - 06/2020
<ul style="list-style-type: none">• College: School of Remote Sensing and Information Engineering• Major: Remote Sensing Science and Technology, Bachelor of Engineering• Overall GPA: 3.65/4.0 (86.25/100)	

Research Experiences

Graduate	08/2020 - Present
Investigating the effects of urban composition and configuration on LST	09/2020 - present
✓ LULC classification; 3D morphology extraction; Human mobility data analysis; Spatiotemporal LST analysis	
Tropic Tree Species Identification Project (collaborated with NTU)	03/2021- 04/2021
✓ Individual tree identification in tropic forest; 3D point cloud segmentation and classification	
Group project: Spatial Big Data and Analytics	11/2020 - 12/2020
✓ Air pollution and UHI dynamics during COVID-19 in Wuhan and NYC	
Group Project: Restoration of Critically Endangered Swamp Cypress Trees	09/2020 - 11/2020
✓ Ecological data analysis; Habitat modelling; Nursery project design	
Undergraduate	09/2016 - 06/2020
Bachelor thesis	01/2020 - 06/2020
✓ Building Extraction from High-resolution Satellite Images based on Deep Learning Method (Deep U-Net)	
Monitoring and Evaluation of Natural Forest Protection Project in Xinjiang	03/2019 - 07/2019
✓ Forest change detection in arid and semi-arid area using multi-temporal remote sensing data	
Group project: The Application of Remote Sensing in Urban Planning	11/2018 - 12/2018
✓ Investigation of Temporal-spatial Variations and Correlative Factors of Ground-level PM2.5 Concentrations	
Group project: Hyperspectral image classification	10/2018 - 11/2018
✓ Hyperspectral image classification based on Extended Multi-Attribute Profile (EMAP) and PCA	
Cloud Detection for Domestic High-resolution Satellite Images	11/2017 - 01/2018
✓ Cloud removing algorithms of GF-3 images based on ENVI IDL programming	

Work Experience

Shenzhen Kaifa Technology (Chengdu), Big Data Analysis, Intern	07/2019 - 08/2019
Intern at Big Data Analysis Department:	
✓ Responsible for big data analysis and processing	
✓ Conducted a project on Time-series data prediction using deep learning network: LSTM and CNN	
Achievements: A Python demo for short term electric load prediction and Internship project report	

Awards & Scholarships

Excellent Student Cadre	May. 2019
Excellent Student Volunteer	Oct. 2018
First prize of Academic Scholarship	Sep. 2017
Outstanding Student	Sep. 2017

Activities

WHU Youth Volunteer Association, Vice minister of Design Studio	06/2018 - 06/2019
School Student Union, Minister of Publicity Department	06/2017 - 06/2018
Volunteer of Remote Sensing Week of Wuhan University	Oct. 2018
Volunteer of China High Resolution Earth Observation Conference	Nov. 2017

Skills

Professional skills	Expert: ArcGIS, ENVI, ERDAS, eCognition. Proficient: Python, MATLAB, R Familiar: Google Earth Engine, Deep learning platform (e.g., PyTorch)
Language skills	Proficient user in English, native speaker in Chinese