

SHUNAN FENG

Remote Sensing
Modelling
Spatial Analysis



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WHO AM I?

A self motivated learner. Passionate in remote sensing, modelling and spatial analysis.

I am interested in understanding the process and climate response of earth surface, particularly time series analysis by combining the in-situ measurement, remote sensing or other geospatial data and model results. My experience with remote sensing imagery processing, modelling, spatial statistics, data analysis and visulization enables me to learn and practice skills with MATLAB, Python, Google Earth Engine, ENVI/IDL and ArcGIS etc.

MATLAB	
Google Earth Engine	
Python	
GIS	
ENVI/IDL	
LaTeX	

WORK EXPERIENCE

09/2019 -- present **Remote Sensing and GIS Associate** **International Committee of the Red Cross, Switzerland**

- Processing and analyzing satellite imagery (high resolution data from Digital Globe, Airbus, drone image etc.).
- Benchmarking machine learning for landcover classification, change detection, damage assessment and agricultural monitoring.
- Organize internal training of geospatial data analysis.
- Producing webmaps and supporting emergency response to humanitarian crisis.

ArcGIS Pro and Online Services / Google Earth Engine / Python

EDUCATION

2017 – 2019 **MSc in Earth Science** **Uppsala University, Sweden**
Thesis: Cold surface layer dynamics of Storglaciären, northern Sweden 2009-2019.
Specialized in remote sensing and modelling of glaciology and hydrology. Condcuted fieldwork at Tarfala Research Station. Spatial analysis and statistics at different scale.
MATLAB / Google Earth Engine / LaTeX / Git GitHub

2013 – 2017 **BSc in Physical Geography** **Central China Normal University, China**
Thesis: Retrieval of Chlorophyll-A Concentration from 30-year Landsat Imagery in Erhai, China.
Specialized in remote sensing of water and spatial analysis.
ENVI/IDL / GIS

SCHOLARSHIPS AND AWARDS

2018 – 2019 **Linnaeus Scholarship (12,700 SEK), Otterborg Stipend (15,000 SEK), Jänes Scholarship (3,700 SEK)** **Uppsala University**
Research and Travel Scholarship for conducting thesis fieldwork

2017 **Uppsala University IPK Scholarship** **Uppsala University**
cover all tuition fee (290,000 SEK)

2014 – 2016 **Shuren Silver Scholarship (2014) and Boya Scholarship (2015, 2016)** **Central China Normal University**

LANGUAGES

Chinese - native
English - proficient

CURRENT STATUS

Currently interested in machine learning and tensorflow. Also practicing interactive data visualization with python modules (e.g. altair, plotly etc.).