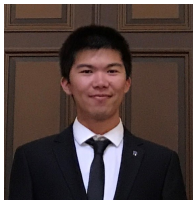# SHUNAN FENG

## Remote Sensing
## Modelling
## Spatial Analysis

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@Shunan Feng

## 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. I have been learning and practicing skills in with remote sensing imagery processing, modelling, spatial statistics, data analysis and visulization with MATLAB, Python, Google Earth Engine (JavaScript/Python), 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 remote sensing imagery (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/Online / Google Earth Engine / Python(rasterio, altair, plotly) /
Pix4D/OpenDroneMap
```

## 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.).