

# RESUME

**Name:** Sheng Hu (胡胜)  
**Sex:** Male  
**Birth:** Hubei, P. R. China,  
10 June 1993  
**Marital Status:** Single  
**Mobile Phone:** +86 18502796110  
**Wechat:** 18502796110  
**Tencent QQ:** 278738411  
**E-mail:** [gishusheng@gmail.com](mailto:gishusheng@gmail.com)  
[husheng@cug.edu.cn](mailto:husheng@cug.edu.cn)



## Educations:

Sept. 2017- School of Geography and Information Engineering,  
China University of Geosciences, Wuhan,  
PhD Candidate,  
Majoring in Surveying and Mapping,  
Sept. 2015 -June 2017 School of Geography and Information Engineering,  
China University of Geosciences, Wuhan,  
Master of Engineering,  
Majoring in Software Engineering,  
Sept.2011-June 2015 Dept. of Resources and Environment,  
Linyi University,  
Bachelor of Engineering,  
Majoring in Surveying and Mapping

## Interests:

- Urban Spatial Structure, Urban Functions
- Social Sensing, Geo AI
- Spatial Statistics

## Publications:

1. **Hu, S.**, Gao, S., Wu, L., Xu, Y., Zhang, Z., Cui, H., & Gong, X. (2021). Urban function classification at road segment level using taxi trajectory data: A graph convolutional neural network approach. *Computers, Environment and Urban Systems*, 87, 101619.
2. **Hu, S.**, Xu, Y., Wu, L., Wu, X., Wang, R., Zhang, Z., ... & Mao, W. (2021). A framework to detect and understand thematic places of a city using geospatial data. *Cities*, 109, 103012.
3. **Hu, S.**, He, Z., Wu, L., Yin, L., Xu, Y., & Cui, H. (2020). A framework for extracting urban functional regions based on multiprototype word embeddings using points-of-interest data. *Computers, Environment and Urban Systems*, 80, 101442.
4. Wu, L., **Hu, S.**, Yin, L., Wang, Y., Chen, Z., Guo, M., ... & Xie, Z. (2017). Optimizing cruising routes for taxi drivers using a spatio-temporal trajectory model. *ISPRS International Journal of Geo-Information*, 6(11), 373.
5. Cui, H., Wu, L., **Hu, S.**, Lu, R., & Wang, S. (2020). Recognition of Urban Functions and Mixed Use Based on Residents' Movement and Topic Generation Model: The Case of Wuhan, China. *Remote Sensing*, 12(18), 2889.
6. Cui, H., Wu, L., He, Z., **Hu, S.**, Ma, K., Yin, L., & Tao, L. (2019). Exploring Multidimensional Spatiotemporal Point Patterns Based on an Improved Affinity Propagation Algorithm. *International journal of environmental research and public health*, 16(11), 1988.
7. Wu, L., Deng, F., Xie, Z., **Hu, S.**, Shen, S., Shi, J., & Liu, D. (2016). Spatial analysis of severe fever with thrombocytopenia syndrome virus in China using a geographically weighted logistic

regression model. International journal of environmental research and public health, 13(11), 1125.

### **Research Experiences:**

Sept. 2017-Dec. 2021

Participant in National Key Research and Development Program - "Geographical Big Data Mining and Space-Time Pattern Discovery" (Granted number 2017YFB0503601, 2017~2021).

My works: Participating in 1<sup>st</sup> sub-project, researching on sequencing technology of geographical big data, and developing related algorithms.

May. 2020-May. 2022

Received Outstanding Doctoral Innovation Fund of China University of Geosciences, Wuhan

Dec. 2018

Participating in 2018 AGU Fall Meeting in Washington, D.C., USA and posting a poster, titled 'Routes planning using big taxi trajectory data: A deep learning solution based on the Experience of Taxi Drivers'

Dec. 2020

Participating in 2020 International Graduate Workshop on GeoInformatics and giving an oral presentation, titled 'Delineating urban functional regions using multi-sourced geospatial data'

### **Awards and Honors:**

- Jun.2017 Outstanding Graduate Awards of China University of Geosciences, Wuhan
- Apr.2020 Outstanding Doctoral Innovation Fund of China University of Geosciences, Wuhan
- Jun.2020 Third prize in the final, Huawei Cloud Cup: Shenzhen Open Data Application Innovation Competition
- Nov.2020 High School GIS New Talent, awarded by National University GIS Forum
- Dec.2020 National Scholarship for Graduate Students