# Yuanwen Yue

UNDERGRADUATE STUDENT

*School of Resource and Environmental Sciences,Wuhan University,Wuhan,China*

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## Education

**School of Resource and Environmental Sciences, Wuhan University**　　　　　*Wuhan, China*
B.S. Major in Geographical Information Science & Minor in Computer Science　　　*Sep. 2016 - Exp. Jun. 2020*
- GPA: 3.81/4.00

## Research Experiences

**Department of Civil and Environmental Engineering, University of Alberta**　　*Edmonton, Canada*
Research Intern funded by CSC　　　　　　　　　　　　　　　　　　　　　*Jul. 2019 - PRESENT*
- CSC & University of Alberta Internship Program 2019
- Supervised by Prof.Karim El-Basyouny
- Project: Automated extraction of road and roadside features from LiDAR data

**School of Resource and Environmental Sciences, Wuhan University**　　　　　*Wuhan, China*
Research Assistant　　　　　　　　　　　　　　　　　　　　　　　　　*Oct. 2017 - PRESENT*
- Supervised by Prof.Teng Fei
- Main Focus: Augmented reality, location based service and mobile GIS
- Project: Design of location based augmented reality system

**State Key Laboratory of Information Engineering in Surveying,Mapping and Remote Sensing, Wuhan University**　　　　　　　　　　　　　　　　　　　　　　　*Wuhan, China*
Research Assistant　　　　　　　　　　　　　　　　　　　　　　　　　*Sep. 2017 - Aug. 2018*
- Supervised by Prof.Bisheng Yang
- Main Focus: UAV laser scanning, 3D computer vision
- Project: Design of UAV laser scanning system and its application in forestry

## Publications

2019　**A Location-based Social Network System Integrating Mobile Augmented Reality and User Generated Content**, ACM SIGSPATIAL International Workshop on Location-Based Recommendations, Geosocial Networks, and Geoadvertising (Accepted), **Yue, Y.**,Ding, J., Kang, Y., Wang, Y., Wu, K., and Fei, T.

2019　**Design of Social Network System Based on Augmented Reality and Geo-fencing**, Journal of Geomatics (Accepted), **Yue, Y.**,Wang, Y., Kang, Y., Ding, J., Wu, K., and Fei, T.

2019　**Demand Prediction of Dockless-Based Sharing-Bike Service in Multi-Mode Spatial Unit**, ACM SIGSPATIAL International Workshop on Computational Transportation Science (Submitted), Kang, Y., Li, X., Gao, S.,**Yue, Y.**, Xu, X., and Chen, X.

2019　**PM2.5 Concentration Prediction Model Based on Coupled Genetic Algorithm and RBF Neural Network**, China Environmental Science (Under Revision), Liang, Z.,Wang, Y., **Yue, Y.**, Wei, F., Jiang, H., and Li, S.

2019　**Integration of A Low-cost Multisensory UAV System for Forest Application**, ISPRS - International Archives of the Photogrammetry,Remote Sensing and Spatial Information Sciences, Li, J., Yang, B., Cong, Y., Li, S., and **Yue, Y**.

## Honors & Awards

2019　**Academician Xia Jianbai Scholarship for Outstanding Students (1 student in School of Resource and Environmental Sciences)**, CNY ¥5000, Wuhan University　　*China*

2019　**Meritorious Winners (TOP 8%)**, Interdisciplinary Contest in Modeling (ICM)　　*U.S.A*

2019　**Scholarship of CSC & University of Alberta for Undergraduate Internship (30 students from Double First-Class Initiative universities in China)**, CAD $5400, China Scholarship Council　　*China*

2018　**First Prize & Best Valuable Investment Prize (TOP 1%)**, CNY ¥10000, 16th SuperMap Cup GIS Contest　　*China*

2018　**Best Innovation Award (TPO 10 out of 4127 teams)**, CNY ¥5000, 7th China Software Cup-Software Design Competition for College Students　　*China*

2018　**Academician Chen Yongling Science and Technology Innovation Scholarship for Outstanding Students (1 student in School of Resource and Environmental Sciences)**, CNY ¥5000, Wuhan University　　*China*

2018　**First-class Undergraduate Scholarship (TPO 5%)**, CNY ¥3000, Wuhan University　　*China*

2018　**Honorable Mention**, Esri GIS Contest for Chinese College Students　　*China*

## Honors & Awards

| 2018 | **Honorable Mention**, CNY ¥5000, 10th China (Shenzhen) Innovation Entrepreneurship Competition | *China* |
| 2018 | **Outstanding Volunteer for Luojia International Summer Program**, Office of International Affairs, Wuhan University | *China* |
| 2017 | **National Encouragement Scholarship for Outstanding Undergraduates**, CNY ¥5000, Wuhan University | *China* |
| 2017 | **Guangzhou Alumni Association Scholarship**, CNY ¥5000, Alumni Association of Wuhan University | *China* |

## Funding & Grants

**Automated Extraction of Road and Roadside Features from LiDAR Data** — *Canada*

PRINCIPLE INVESTIGATOR — *Jul. 2019 - PRESENT*

- CSC & University of Alberta Internship Program for Undergraduates of China
- Funding Number: 201806270490
- CNY ¥28500 (CAD $5400)

**What can augmented reality technology do to clean up the city skyline?** — *China*
**——Reappearance of building billboards based on AR technology**

PRINCIPLE INVESTIGATOR — *Mar. 2018 - PRESENT*

- National Training Program of Innovation and Entrepreneurship for Undergraduates of China
- Funding Number: 201810486121
- CNY ¥11000 (USD $1600)

## Software Coryright

**Short Information Sharing Software Based on Augmented Reality : ici** — *China*

SOFTWARE DEVELOPER — *2019*

- Copyright Number: 2019SR0292337

## Services

**WHU Association of Volunteers for the International Communication (AVIC)** — *Wuhan, China*

VICE PRESIDENT — *Sep. 2018 - June. 2019*

- Organize activities for foreign visiting students, such as Luojia international summer program.
- Assistant in Chinese traditional culture courses, such as Tai Chi.

## Language & Skills

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|---|---|
| **English** | TOEFL:102 (R:30 L:26 S:20 W:26) |
| **Programming** | C/C++,JAVA, JavaScript, Matlab, Python, Swift, PHP, SQL |
| **Softwares & Packages** | PostgreSQL, Tomcat, ARKit, OpenCV, PCL, PyTorch |
| **GIS Skills** | ArcGIS, ENVI, Openlayers, PostGIS, CorelDraw |
| **Operation Systems** | Linux (Ubuntu), MacOS, Windows |