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 - Sep. 2019*

- 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   **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*
2018	**Honorable Mention**, CNY ¥5000, 10th China (Shenzhen) Innovation Entrepreneurship Competition	*China*

Honors & Awards

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?
——Reappearance of building billboards based on AR technology *China*

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

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