

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

B.S. MAJOR IN GEOGRAPHICAL INFORMATION SCIENCE & MINOR IN COMPUTER SCIENCE

- GPA: 3.81/4.00

Wuhan, China

Sep. 2016 - Exp. Jun. 2020

Research Experiences

Department of Civil and Environmental Engineering, University of Alberta

RESEARCH INTERN FUNDED BY CSC

- CSC & University of Alberta Internship Program 2019
- Supervised by Prof. Karim El-Basyouny
- Project: Automated extraction of road and roadside features from LiDAR data

Edmonton, Canada

Jul. 2019 - Sep. 2019

School of Resource and Environmental Sciences, Wuhan University

RESEARCH ASSISTANT

- Supervised by Prof. Teng Fei
- Main Focus: Augmented reality, location based service and mobile GIS
- Project: Design of location based augmented reality system

Wuhan, China

Mar. 2018 - PRESENT

State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University

RESEARCH ASSISTANT

- 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

Wuhan, China

Sep. 2017 - Aug. 2018

Publications

- 2019 **A Location-based Social Network System Integrating Mobile Augmented Reality and User Generated Content**, (*Best Short Paper) ACM SIGSPATIAL International Workshop on LocalRec, **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 (In press), **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 (In press), 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 **Best Short Paper Award**, ACM SIGSPATIAL Committee U.S.A
- 2019 **First Prize (TOP 1 out of 300+ teams)**, CNY ¥10000, 17th SuperMap Cup GIS Contest China
- 2019 **ACM SIGSPATIAL 2019 Student Travel Awards**, USD \$340, ACM SIGSPATIAL Committee U.S.A
- 2019 **Academician Xia Jianbai Scholarship for Outstanding Students (1 student in School of Resource and Environmental Sciences)**, CNY ¥5000, Wuhan University China
- 2018-2019 **First-class Undergraduate Scholarship (TOP 5%)**, CNY ¥3000, Wuhan University China
- 2019 **First Prize**, National 3D Innovation Design Competition 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 (TOP 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

Honors & Awards

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| 2018 | Honorable Mention , Esri GIS Contest for Chinese College Students | China |
| 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 - Oct. 2019

- 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 - Nov. 2019

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

Software Copyright

Short Information Sharing Software Based on Augmented Reality : ici

China

SOFTWARE DEVELOPER

2019

- Copyright Number: 2019SR0292337

Services

Association for Computing Machinery (ACM)

U.S.A

STUDENT MEMBER

Oct. 2019 - present

China Computer Federation (CCF)

China

STUDENT MEMBER

Mar. 2019 - present

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) GRE:317 (V:149 Q:168) + W:3.5 |
| Programming | C/C++, JAVA, JavaScript, Matlab, Python, Swift, PHP, SQL |
| Software & Library | PostgreSQL, Tomcat, ARKit, OpenCV, PCL, ROS, PyTorch |
| GIS Skill | ArcGIS, ENVI, CloudCompare, Openlayers, PostGIS, CorelDraw |
| Operation System | Linux (Ubuntu), MacOS, Windows |