(This CV is updating)

Zhen Qian

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Address: Nanjing Normal University, No.1, Wenyuan Road, Xianlin University District, Nanjing, China

EDUCATION & SCORES

➤ M.S in Cartography and Geographic Information System Overall GPA: 3.81/4.0 Sept., 2020-Jun., 2023(Expected) (School of Geography, Nanjing Normal University | Nanjing, China)

➤ **B.S** in Geographic Information Science Overall GPA: 3.77/4.0 Sept., 2016-Jun., 2020 (School of Geographical Science, Nantong University | Nantong, China)

➤ IELTS: R/L/S/W */*/* Overall Band Score: * Preparing

RESERCH INTERESTS

GIScience; Spatial Data Mining, Machine learning; Deep Learning; Computer Vision; Geographic Modeling

PUBLICATIONS

- Qian, Z., Chen, M., Yang, Y., Zhong, T., Zhang, F., Zhu, R., Zhang, K., Zhang, Z., Sun, Z., Ma, P., Lü, G., Ye, Y. and Yan, J., 2022. Vectorized dataset of roadside noise barriers in China using street view imagery. Earth System Science Data. (Under Review, IF 11.333, JCR Q1)
- Qian, Z., Chen, M., Zhong, T., Zhang, F., Zhu, R., Zhang, Z., Zhang, K., Sun, Z. and Lü, G., 2022. Deep Roof Refiner: A detail-oriented deep learning network for refined delineation of roof structure lines using satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 107, p.102680. (IF 5.933, JCR Q1)
- Qian, Z., Liu, X., Tao, F. and Zhou, T., 2020. Identification of urban functional areas by coupling satellite images and taxi GPS trajectories. Remote Sensing, 12(15), p.2449. (IF 4.848, JCR Q1)
- Qian, Z., Zhou, T., Tao, F., Fan, Z., Liu, H. and Lu, J., 2020. Cluster-Based Extraction Method of Entrances and Exits in AOI. Geography and Geo-Information Science, 36(2), pp.1-7. (In Chinese, Chinese Core Journals)
- **Qian, Z.,** Zhou, T., Ma, P., Tao, F. and Liu, H., 2019. A Detection Method for Passenger Safety Based on GIS. Journal of Transport Information and Safety, 37(4), pp.35-43. (In Chinese, Chinese Core Journals)
- Qian, Z., Zhou, T., Kang, T., Fan, Z. and Lu, J., 2018. Study on Discrimination Method of Urban Road Congestion Based on Taxi. Logistics Engineering and Management, 40(02), pp.118-120+112. (In Chinese)
- Zhang, K., Qian, Z., Yang, Y., Chen, M., Zhong, T., Zhu, R., Lv, G. and Yan, J., 2022. Using street view images to identify road noise barriers with ensemble classification model and geospatial analysis. Sustainable Cities and Society, 78, p.103598. (IF 7.587, JCR Q1)
- Zhang, Z., Qian, Z., Zhong, T., Chen, M., Zhang, K., Zhu, R., Zhang, F., Zhang, H., Zhou, F., Yu, J., Zhang, B., Lü, G., and Yan, J., 2022. Vectorized rooftop area data for 90 cities in China. (Accepted, IF 6.444, JCR Q1)
- Zhou, T., Liu, X., Qian, Z., Chen, H. and Tao, F., 2020. Automatic identification of the social functions of areas of interest (AOIs) using the standard hour-day-spectrum approach. ISPRS International Journal of Geo-Information, 9(1), p.7. (IF 2.899, JCR Q2)
- > Zhou, T., Liu, X., Qian, Z., Chen, H. and Tao, F., 2019. Dynamic update and monitoring of AOI entrance via spatiotemporal clustering of drop-off points. Sustainability, 11(23), p.6870. (IF 3.251, JCR Q2)
- Zhong, T., Zhang, K., Chen, M., Wang, Y., Zhu, R., Zhang, Z., Zhou, Z., Qian, Z., Lv, G. and Yan, J., 2021. Assessment of solar photovoltaic potentials on urban noise barriers using street-view imagery. Renewable energy, 168, pp.181-194. (IF 8.001, JCR Q1)

HONORS & AWARDS

Contests

- China Graduate Student Mathematical Modeling Competition (Second Prize, Team Leader), Dec., 2020
- The National Innovation and Entrepreneurship Competition of Intelligent Transportation for College Students (Second Prize), May, 2019
- ➤ The National Professional Software Engineering "Blue Bridge Cup" Design Contest (**Third Prize, Individual**), *May*, 2019
- ➤ The National Professional Software Engineering "Blue Bridge Cup" Design Contest Jiangsu Province Preliminary Round (First Prize, Individual), *Mar.* 2019

- ➤ Beidou-Cup China Adolescents Science & Technology Invention Contest in East China (Second Prize, Team Leader), Apr., 2019
- COMAP's Mathematical Contest in Modeling (Meritorious Winner, Team Leader), Apr., 2018
- ➤ The National College Student GIS Application Skills Contest (First Prize, Team Leader), Dec., 2018
- ➤ The National Innovation and Entrepreneurship Competition of Intelligent Transportation for College Students (**Third Prize, Team Leader**), *Jul.*, 2018
- ➤ The Jiangsu University Mapping and Geographic Information Innovation and Entrepreneurship Competition (Second Prize, Team Leader), Oct., 2018
- Computer Design Competition for Students in Jiangsu Province (Second Prize), May, 2018
- The National College Student GIS Application Skills Contest (First Prize), Dec., 2017
- ➤ The Jiangsu University Mapping and Geographic Information Innovation and Entrepreneurship Competition (**Grand Prize, Team Leader**), *Sept.*, 2017

Scholarships

- First-class Scholarship in University for Postgraduates (Top 3%), 2020 & 2021
- National Scholarship for Undergraduates (**Top 1%**), 2018
- The Prince's Scholarship Funded by Social Enterprises for Undergraduates (**Top 1%**), 2017 & 2019
- First-class Scholarship in University for Undergraduates (**Top 1%**), 2017, 2018 & 2019

Honors

- Outstanding Student Leaders in University for Postgraduates (Top 1%), Dec., 2021
- Excellent Graduation Design (Thesis) in Jiangsu Province for Undergraduates (Top 1%), Sept., 2021
- Excellent Graduation Thesis of Surveying and Mapping in Jiangsu Province for Undergraduates (**Top 1%**), *Nov.*, 2020
- Outstanding Student Leaders in Jiangsu Province for Undergraduates (Top 1%), Apr. 2019
- Merit Student Pioneer in University for Undergraduates (**Top 1%**), Sept., 2018
- > Outstanding Student Leaders in University for Undergraduates (Top 1%), Sept., 2017 & Sept., 2019

SKILLS, ACTIVITIES & INTERESTS

- **Programming:** Python, R, Matlab, Server (MacOS/Window/Ubuntu), C++, Java, Html/Css/Javascript
- Software: ArcGIS, Envi, QGIS, SPSS, Matlab, Photoshop, EndNote, Microsoft Office
- > Certifications & Training: Data science and face recognition algorithms winter camp (2 months), National geographic analysis model training (1 month)
- > Interests: Fitness, Swimming, Cycling, Badminton