Curriculum Vitae

Zhen Qian

⌨ **Personal Website** | ☄ **Google Scholar** | ✉ **Email**

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	09/2020-06/2023 (Expected)
	School of Geography, Nanjing Normal University		
➢	**B.S** in *Geographic Information Science*	Overall GPA: 3.77/4.0	*09/2016-06/2020*
	School of Geographical Science, Nantong University		
➢	**IELTS**: R/L/S/W */*/*/*	Overall Band Score: *	*Preparing*

RESERCH INTERESTS

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., Yang, Y., Zhu, R., Zhang, F., Zhang, H., Zhou, F., Yu, J., Zhang, B., Lü, G., Yan, J., 2022. Vectorized rooftop area data for 90 cities in China. Scientific Data, 9, 66. *[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	2020
	Second Prize, Team Leader	
➢	National Innovation and Entrepreneurship Competition of Intelligent Transportation	2019
	Second Prize	
➢	National Professional Software Engineering "Blue Bridge Cup" Design Contest	2019

Third Prize, Individual

➤ Professional Software Engineering "Blue Bridge Cup" Design Contest in Jiangsu   2019

First Prize, Individual

➤ Beidou-Cup Adolescents Science & Technology Invention Contest in East China   2019

Second Prize, Team Leader

➤ COMAP's Mathematical Contest in Modeling   2018

Meritorious Winner, Team Leader

➤ National Undergraduate GIS Application Skills Contest   2018

First Prize, Team Leader

➤ National Innovation and Entrepreneurship Competition of Intelligent Transportation   2018

Third Prize, Team Leader

➤ Mapping and Geographic Information Innovation and Entrepreneurship Competition in Jiangsu   2018

Second Prize, Team Leader

➤ Computer Design Competition for Students in Jiangsu   2018

Second Prize

➤ National Undergraduate GIS Application Skills Contest   2017

First Prize

➤ Mapping and Geographic Information Innovation and Entrepreneurship Competition in Jiangsu   2017

Grand Prize, Team Leader

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%**   2021

➤ Excellent Graduation Design (Thesis) in Jiangsu for Undergraduates, **Top 1%**   2021

➤ Excellent Graduation Thesis of Surveying and Mapping in Jiangsu for Undergraduates, **Top 1%**   2020

➤ Outstanding Student Leaders in Jiangsu for Undergraduates, **Top 1%**

➤ Merit Student Pioneer in University for Undergraduates, **Top 1%**   2019

➤ Outstanding Student Leaders in University for Undergraduates, **Top 1%**   2018

   2017 & 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