LIAO Nan

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EDUCATION

National University of Singapore, Singapore   Aug 2021-Aug 2022

MSc. in Applied Geographic Information Systems (GPA: 4.4/5.0)

Relevant courses: Practice of GIS application (95),

                    Practice of Remote sensing application (95)

Sep 2017-Jul 2021

South China Normal University (Project 211), China

BSc. in Human Geography and Urban-Rural Planning (GPA: 3.64/4.0)

Relevant courses: Spatial big data and analytics (A)

RESEARCH PROJECT

A study on the embodied experience of immersive consumption space: the case of Guangzhou Super Wenheyou

Jun 2020-Apr 2021

• Undergraduate thesis

• Completed literature reading, case investigation, questionnaire design, more than 30 eye tracker experiments and subject interviews, data analysis, and thesis writing.

Research on Autism and Urban Environmental Factors   Sep 2019- Nov 2020

• Reported on English literature once a week；

• Collected and collated decades of LUCC, night lighting, NDVI, and case data of autistic children in Guangzhou, China, and analyzed the data using Geo-Detector to obtain innovative findings.

Traditional Food Market or Freshippo? - Research on the Production of Consumption Space from the Perspective of Daily Life Practice (SCNU Geographical Science Professional Skills Competition)   Dec 2018-May 2019

• Participated in two field research activities, conducting 30 interviews, collecting text data on tens of thousands of entries, using ROSTCM for text analysis, and writing the report;

• Won the Excellence Award of the Humanities Group.

Response of Birds in Mai Po Wetland of Hong Kong to Climate, Ecological and Environmental Changes and Human Activities (National Undergraduate Innovation and Entrepreneurship Training Program)   Jan 2018-May 2019

• Participated in the whole research process, including but not limited to collecting and sorting 60 English reports with hundreds of pages to select the data needed for the project, conducting statistical analysis in SPSS and Stata, undertaking the mid-term presentation and defense independently, and writing part of the final report about 8000 words;

• Acquired the approval of a national project.

PUBLICATIONS

Liao, N., & Nawaz, M *(Supervisor)*. *(2024). An indicator model for assessing community resilience to the COVID-19 pandemic and its validation: A case study in Hong Kong. Journal of Safety Science and Resilience, 5(2), 222-234. (CSCD, EI)*
https://doi.org/10.1016/j.jnlssr.2023.12.005

*Huang Yanru, Zheng Yuping & **Liao Nan**. (2020). Research on the Application of Double Evaluation Based on the Background of Territorial Space Planning—— Take the Ecological Suitability Evaluation of Panyu District, Guangzhou as an Example. Modern Information Technology (11), 121-125.*

CONFERENCE

First Workshop of Asian Young Geographers--Bus service adjustment with the driver shortage during COVID-19 outbreak in Singapore: Leveraging urban big data and spatial interaction coverage   Dec 2021
• Data pre-processing for selected study areas; Data processing for station attraction calculations;
• Priority adjustment based on big data of passengers' tap-in and tap-out; Some figures of methodology and result; Wrote part of report.

WORKING EXPERIENCE&PROFESSIONAL ACTIVITIES

Geography teacher at SZTU Affiliated High School, China   Aug 2022-Present
• Offered an innovative course, "Beginning GIS", which combines theory and hands-on practice with SuperMap software to introduce geographic information systems;
• The average score of the classes taught remained basically first in the sophomore academic year;

Assistant of Urban Planning, Guangzhou Guodi Technology Co., Ltd., China   Aug 2019-Aug 2019
• Assisted the team in planning work, including using ArcGIS, CAD, Photoshop, and other software to draw the planning sketch and thematic map, collecting the required documents and materials, sorting out data, and presenting manuscripts.

PROFESSIONAL ACTIVITIES

Investigation Practice of Human Geography in Pearl River Delta, China   Nov 2019
• Investigated in Shenzhen, Guangzhou, Huizhou, Shanwei, and other places, participated in dozens of interviews, completed progress reports three times, as well as a 20000-word internship report.

Investigation Practice of Plant Soil in Lushan, Jiangxi Province, China   Jun 2018
• Carried out a week-long practice of vegetation and soil, and completed an 8000-word report independently.

Geological and Geomorphological Investigation Practice in Inner Mongolia, China   May 2018
• Investigated in Salawusu, Dunhuang, and other places in Inner Mongolia, independently completed a 10000-word investigation report, and obtained 98 out of 100 points.

CERTIFICATES&AWARDS

• **"Outstanding" teachers** in the assessment of Shenzhen City   Sep 2024
• **Excellent Examiners** of SZTU Affiliated High School   July 2023
• **Second-class Scholarship** for Comprehensive Performance in the 2020-2021 Academic Year   May 2021
• **Second-class Scholarship** for Comprehensive Performance in the 2018-2019 Academic Year   Mar 2020
• **Certificate of Completion** of National Undergraduate Innovation and Entrepreneurship Training Program   Jul 2019
• **Silver Meda**l in Rural Volunteer Services of 2019 Social Practice Project   Sep 2019
• **Outstanding Student Cadre** in the 2018-2019 Academic Year   Sep 2019

SKILLS

• English (IELTS score 7)
• Skilled in ArcGIS, Microsoft Office, CAD, ENVI, Python, and Latex
• Good communication and expression skills, teamwork spirit, and a strong sense of responsibility
• Strong leadership and organizational skills (Grade Leader from Sept. 2018 to June 2019)
• Frontline teaching experience and ability to work as a research assistant