

YAO-TING (LENA) YAO

SKILLS

- Programming Skills: Python, SQL, R, and HTML
- Software: ArcGIS Pro, ArcMap, ArcGIS Online, QGIS, TerrSet, Google Earth Engine, GitHub, RStudio, PostgreSQL, PostGIS, Jupiter Notebook, StarUML, GeoDa
- Technical Skills: Spatial Analysis, Cartography, Image Classification

RELEVANT COURSE WORK

Advanced Vector GIS, Spatial Database Development in Practice, Geospatial Analysis With R, Python, Programming for GIS, Intro to Remote Sensing, Statistics and Quantitative Geography

ESRI MOOC COURSE:

Spatial Data Science-The New Frontier in Analytics, Do-It-Yourself Geo Apps, and Cartography

EXPERIENCE

- **Research Assistant**, 01/2022–Now
CLARK LABS

Work on Coastal Habitat Mapping project with the Gordon and Betty Moore Foundation. Create land-use map with Mangrove, Wetland, and Pond Aquaculture by using MLP and Mahalanobis supervised classifications in TerrSet Software.

- **Administrator**, 09/2017–06/2018
Land Administration in Keelung City Government

1. Interoperate satellite and aerial image to examine the illegal land use, like illegal gravel mining.
2. Appropriate public land use planning. Communicate with different bureau of government by understanding what they needed, what their budget was and find the public welfare under land-use regulations.
3. Assist the meetings within the Land Administration, and with GIS company to rezone all the land data and correct all the out-of-date spatial data into new functional zones.

- **Assistant Administrator**, 12/2015–07/2017
Land Administration in Taipei City Government
Analyze the land-use statistics and write annual reports

- **Project Leader**, 09/2010–06/2015
Taiwan Assoc. of Comprehensive Arts Development
Lead group counseling for social minority groups, including the domestic violence support group, and mental illness recovery support group in Taiwan and China

- **Vice Director**, 09/2003–06/2004
Student Association of Geography Department in National Taiwan University
Host events and outings to help students connect with each other.

Contact

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Portfolio:

<https://leannayao.wixsite.com/lenayao>

EDUCATION

Master of Science, Geographic Information Science, 2023 Clark University, GPA: 3.91

Master of Science, Geography with Urban Geography, 2010, National Taiwan University. GPA: 4.0

Bachelor of Science, Geography, 2006 National Taiwan University. GPA: 3.7

LANGUAGES

Mandarin (native)

English (advanced)

Korean (intermediate)

Japanese (beginner)

CONFERENCE PAPERS

5th East Asian Regional Conference in Alternative Geography, Seoul, South Korea, (Presented in English)
Against The Urban Entrepreneurialism: A Case Study of Lo-Sheng Preservation Movement in Hsin-Chuang City, 12/2008

10th Annual Conference of Cultural Studies Association, Taipei, Taiwan
Disease, Emotion and Space: Deconstruction of the Zero-Sum Game Context between Hsin-Chuang Residents and Lo-Sheng Preservation Movement, 01/2009

AWARDS

International, Development, Community, and Environment Scholarship 40% Tuition, Clark University, 08/2021

President's Award of College of Science, NTU, 06/2006

Academic Excellence Award, NTU, 01/2004, 01/2005, and 06/2006