

# LI Yizhen

(+65) 8039 9674 | [yizhen\\_li@u.nus.edu](mailto:yizhen_li@u.nus.edu) / [3180101168@zju.edu.cn](mailto:3180101168@zju.edu.cn)

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## EDUCATION

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| ZHEJIANG UNIVERSITY (Candidate for Bachelor of Science)  | Hangzhou, CN            |
| <b>Resource and Environmental Science</b> (GPA 89.12/100)  | <b>2018 - Present</b>   |
| <i>Core modules: Modelling of Environmental Resource, Theory and Practice of Spatial Data Analysis</i> |                         |
| <b>Minor in English</b>  | <b>2019 - Present</b>   |
| NATIONAL UNIVERSITY OF SINGAPORE (Visiting Student)  | Singapore               |
| <b>Department of Civil and Environmental Engineering</b>   | <b>8/2021 - Present</b> |

## RESEARCH EXPERIENCE

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### Exploring causes and consequences of urbanization in Hangzhou of China(1978 – 2021) 3/2021 – 7/2021

- Urbanization analysis from dual-track urbanization perspective; Migration and economy research using ArcGIS.
- Unmasked Hangzhou's distinguishing feature in urbanization that engendering the city's modernization and urbanization; Provided major policy implications for its urbanization.

### Research on race groups from a perspective of anthropology 3/2021 – 5/2021

- Explored the impact of theory of multiregional evolution molecular biology on ethnic division.
- Suggested recognizing overall differences between currently divided ethnic groups, understanding the impact of environment, variation and communication on genes, and correctly understand the individual diversity within the race.

### Temporal and spatial analysis of soil moisture changes in China 2/2020 – 6/2021

- Selected and extracted ESA CCI soil moisture data, GLDAS surface runoff data, evapotranspiration data and TRMM monthly precipitation data via MATLAB and analyzed changes in three provinces of China from 1999 to 2019.
- Explored the key driving factors affecting soil moisture change by using climate factor and surface conditions.
- Made recommendations on formulating scientific crop planting and management measures, and mitigation of risks of wet waterlogging damage.

### Design of applied environmental resources GIS: fertilization recommendation GIS 10/2020 – 1/2021

- Completed the overall, functional, and database design of the system after learning agricultural fertilization model.
- Established a simple fertilization recommendation system using MS Visual C#2010 × ESRI ArcGIS for Engine 10.2.

## Academic Activities

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- Participated academic report online hosted by Prof. Jaehong Kim from Yale University, 8/2020.
- Participated international summer school in Hongkong University, 7/2019 – 8/2019.

## Proficiency

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- IELTS 7.5 (L 9.0; R 8.0; S 6.5; W 6.5) GRE 323 (155+168) +3.5 National Computer Rank Examination Level 2

## Fellowships Awards Grant

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| Outstanding League Leadership of Zhejiang University | 6/2020  |
| Second Prize of Zhejiang University Scholarship      | 12/2019 |
| Outstanding League Member of Zhejiang University     | 4/2019  |