

ZONG R.(JASPER) LI

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EDUCATION

University of Southern California
Master of Science, Spatial Data Science

Los Angeles, CA
Expected May 2025

Nanjing Audit University
Bachelor of Economics, Finance

Nanjing, CN
May 2022

EXPERIENCE

City of Hope
Data Science Intern – Health Data at Scale Collaboratory

Los Angeles, CA
Spring 2024 to Present

Awarded an internship for expertise in deep learning and satellite imagery, complementing a robust academic background in remote sensing and urban environmental analysis.

- Engaging in a pivotal role within a multidisciplinary team to evaluate deep learning models, such as Convolutional Neural Networks (CNNs) and Graph Neural Networks (GNNs), applied satellite imagery for urban health data assessment.;
- Focusing on the intersection of urban form, structural racism, and environmental risks, contributing to the development of models that predict disparities in air pollution and urban heat islands;
- Validating methodologies through comprehensive demographic data analysis, with a record of achieving high accuracy in distinguishing socio-economic regions using unsupervised learning techniques.

PolyU Department of Geo-Informatics

Remote

Research Assistant – Professor Li Zhiwei’s Remote sensing Lab

September 2023 to Present

Engaged in a comprehensive study evaluating the impact of floods on megacities globally, focusing on identifying affected regions and populations.

- Utilizing Google Earth Engine (GEE) for data acquisition and analysis, leveraging tools such as VIIRS nighttime light data, and global flood databases;
- Analyzing recovery times post-flood events using changes in nighttime light data, assessing regional disparities in vulnerability and flood response;
- Writing a research study on flood impacts across nine regions of varying developmental levels, with plans to publish the findings.

NetEase Youdao

Beijing, CN

Data Analyst Intern – Business Analysis Department

January 2023 to April 2023

Analyzed data from the sales & product department including product sales data, stratified data to assist the sales team to improve sales performance, helped R&D departments develop products for students in different regions.

- Cleaned and standardized data from sales teams in more than 50 regions, education quality data from more than 2,000 colleges;
- Created a Tableau data map to help the sales team realize that localized and customized sales may significantly increase sales conversion by 30% within an acceptable cost range;
- Completed the tiktok online education industry ecological report, and help the product team enter the relevant market for preliminary research.

ADDITIONAL INFORMATION

Applications: ArcGIS Pro, GEE, Python, JavaScript, Java

Awards: Outstanding Graduate Award of Nanjing Audit University, Provincial Champion of The World Mandarin Debating Championship

Languages: Fluent in Mandarin, English