Educational background

University College London, Bartlett School of Planning London, UK

BSc Urban Planning and Real Estate Upper Second Honors 2021.09-2024.06

Coursera online courses

Introduction to Statistics 2023.10-2023.11

ArcGIS 2023.06-2023.10

University of Wisconsin–Madison, Department of Geography Madison, us

*MSc Geographic Information Science and Cartography 2024.09-2025.06*

Internship and research experience

Hangzhou Kuayuan Surveying and Mapping Co., Ltd. Hangzhou, China

*Developer* 2024.08 – Now

▪ Led the back-end development of a portal website

- Login authentication and user authorization management using Spring Security and RBAC design principle

- Implemented CRUD operations using Spring Boot and MyBatis-Plus

Star Vision Aerospace Group Limited Hangzhou, China

Remote sensing Intern R&D Development 2023.05 – 2023.09

▪ **Remote sensing project for Saudi Arabia**  
-Harnessed platforms such as GEE and USGS Explorer for the acquisition of imagery data.   
-Applied Python GDAL library to quickly complete the image cropping and mosaic, band composite, metadata analysis, etc.  
-Realized the output of remote sensing thematic maps of NDVI, LAI, and land surface temperature  
  
▪ **Loss prediction after typhoon project**  
-Supported in visual interpretation and training sample drawing.  
-Employed Envi's machine learning classification (Support Vector Machine) with an accuracy of more than 80% through validation  
  
▪ **Soybean acreage forecast project in Indiana, USA**  
-Searched and compiled site data for rainfall, soil moisture, and temperature of Indiana into Excel  
  
▪ **Self-exploration of the UNet semantic segmentation model**  
-Built UNet model with PyTorch and completed the extraction of 100 square kilometers of buildings in downtown Philadelphia

Urban Planning& Research Institute of PowerChina, Huadong Engineering Corporation Limited

Hangzhou, China

*Intern 2022.06 – 2022.09*

* Completed a report comparing the development patterns of the UK and Chinese planning systems
* Assisted in creating a comprehensive presentation on the impact of digitization on urban development, offering an in-depth analysis of the future opportunities and challenges in the development of smart cities

University College London London, UK

Urban Lab *2022.01 – 2022.02*

*Research Assistant*

* Participated in qualitative analysis using QGIS to analyze the link between the level of higher education and social poverty

Extracurricular activities

UCL Artificial Intelligence Society London, UK

*Senior Member 2023.10 – 2024.05*

* Keep myself updated on the latest trends of the AI field
* Attended regular machine learning tutorials

Skills and hobbies

* Computer skills: Microsoft Office, Excel, ArcGIS, Envi, Python, Java, SQL, QGIS
* Languages: English (Proficient), Chinese (Native)
* Hobbies: Swimming, Ping pong