Jingqi Lu

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Summary

Pursuing an MS in Urban Spatial Analytics at the University of Pennsylvania after earning a BA in Geography and Social Data Science at UCL. Experienced in spatial econometrics, housing and demographic research, and urban data visualization, with technical expertise in Python (pandas, geopandas, scikit-learn), R, and ArcGIS.

Education

MS Urban Spatial Analytics 2025.08 - 2026.05
University of Pennsylvania Philadelphia, PA

- Relevant Courses: Statistical & Data Mining Methods for Urban Analysis | Geospatial Data Science in Python | Public Policy Analytics | AI for Urban Sustainability | Machine Learning
- GPA: 4.0

BA Geography with Social Data Science 2022.09 - 2025.06
University College London London, UK

- Relevant Courses: Data Analysis | Geocomputation | Cartography and Data Visualization | Machine Learning for Social Science
- GPA: 3.5

Erasmus Exchange Geography and Planning 2024.09 - 2024.12
University of Amsterdam Amsterdam, NL

- Relevant Courses: Migration and Population Dynamics | Political Geography

Experience

Data Analysis Assistant 2024.07 - 2024.08
Hisense Cold Chain Qingdao, CN

- Cleaned and validated sales and transaction datasets (invoices, CRM exports, order records) using Excel and Python
- Produced weekly data visualizations and KPI summaries in PowerPoint and Excel
- Collected customer textual feedback, converted entries into a standardized format, extracted key terms, and integrated them into the company database

IELTS Teaching Assistant 2023.07 - 2023.09
New Oriental Hefei, CN

- Conducted IELTS speaking practice sessions and provided targeted feedback (fluency, pronunciation, coherence)
- Administered vocabulary quizzes/tests and graded IELTS exam papers (marking and feedback)

Projects

Operationalizing a Data Taxonomy for Architectural Practice 2026.1-
Henning Larsen Philadelphia

- Co-developed a systematic urban data taxonomy and evaluation framework for architectural practice, bridging the gap between raw data (IoT sensors, satellite imagery, mobility tracking) and design decision-making.
- Engineered a Python-based "Data Evaluator" tool to automate the auditing and scoring of disparate data formats. Implemented logic to programmatically assess data fitness for specific design stages.
- Conducted a computational audit of mixed-media project archives, ingesting and synthesizing multi-source datasets (GIS, mobility, climate models). Translated qualitative architectural values into quantitative data logic to establish reproducible data workflows.

Skills

- **Programming & Tool**: Python, R, SQL, ArcGIS; Jupyter Notebook, VS Code; Git/GitHub, Quarto, Miro
- **Statistics**: Geospatial analytics; Machine learning; Deep learning (CNN, Mask R-CNN, U-Net/PSPNet); GPU computing; LLM-enabled text analysis; SQL
- **Language:** English (Proficient), Mandarin Chinese (Proficient), Dutch (Intermediate—reading)
- **Other:** Part-time tennis coach; ESL tutor; guitar