Ruoran Lin

https://kkkddder.github.io/RL/
(347) 667-9835 | LRR19945678@gmail.com

PROFILE

Recent Master degree graduate seeking a full-time job opportunity in urban analytics, spatial analysis, and data visualization.

EDUCATION

Columbia University
MS Urban Planning
Major: Urban Planning
Concentration: Urban Analytics
New York, NY
Sep 2016 – May 2018

University of Waterloo
Bachelor of Environmental Studies
Major: Honors Geomatics
Minor: Computer Science
Waterloo, Ontario, Canada
Sep 2014 – Jun 2016

Wuhan University
Bachelor of Engineering
Major: Geoinfomatics
Wuhan, Hubei, China
Sep 2012 – Jun 2016

SKILLS

Spatial Analysis
ArcGIS
QGIS
GeoDA
ENVI

Programming
Python
JavaScript
C
R

Statistic Analysis
Stata
SPSS

Database
SQL

Design
Adobe Suite
MO Suite
SketchUp

LANGUAGES

English
Mandarin

EXPERIENCE

Digital Social Science Center, Columbia University
Spatial Research Intern | New York, NY | Jan 2017 – May 2018
- Categorized NYC open dataset info and checked dataset updates by web scraping, and managed automatic data download using Python/ VBA scripts
- Led the mapping workshops and helped students with interactive mapping skills

Urban China Network, Columbia University
Vice President | New York, NY | April 2017 – April 2018
- Organized annual Urban China Forum and career networking panel by developing conference content, planning full event agenda, and managing event facilities
- Performed communication and outreach with guests and trained student volunteers

Columbia University
Teaching Assistant | New York, NY | Sep 2016 – Dec 2017
- TA for GIS and Urban Studies (Barnard College), Conflict Urbanism: Language Justice (GSAPP), and Fundamentals of Digital Urban Design (GSAPP)
- Led technical tutorials, arranged field trip, and evaluated student assignments

Philip Habib and Associates
GIS Intern | New York, NY | Oct – Dec 2016
- Assisted staff in technical support, including data processing and spatial analyses
- Participated in multiple planning and transportation consulting projects, including site investigation and project background research

The Bureau of Urban and Rural Planning
Planning Intern | Fuzhou, China | Jul – Aug 2016
- Assisted in various planning projects by conducting data analysis, evaluating project proposals, and coordinating stakeholder engagement
- Facilitated in internal coordination, member connection, and meeting summary

RESEARCH

Urban Agriculture (UA) in New York City | New York, NY | Sep 2017 – Apr 2018
- Examined citywide UA locations, distribution, and spatial patterns using ArcGIS
- Performed a multifunctional evaluation of UA benefits and challenges through statistical regression, modeling and interviews

Razing NYC: Buyouts in the Wake of Sandy | New York, NY | Mar – Apr 2018
- Visualized property buyouts and demolitions after Hurricane Sandy in an interative website using JavaScript (https://kkkddder.github.io/BuildingNYC/Ass3.html)

Data-Mining China: Urban Villages (UV) | Shenzhen, China | Jul – Dec 2017
- Built academic, journalism, and social media database for UV using web scraping
- Tracked UV evolution, development trends, and social impacts using Natural Language Processing and machine learning models
- Exhibited in the Bi-city Biennale of Urbanism/Architecture in Shenzhen

Evaluating M86 Select Bus Service (SBS) | New York, NY | Oct – Dec 2016
- Collected primary data through on-site observations and distributed questionnaires
- Assessed M86 performance before and after SBS conversion using Stata and Python, and presented recommendations through Bus Rapit Transit comparison

Examining Walkability Index & Diabetes | Waterloo, Canada | Sep - Dec 2015
- Analyzed social and natural factors of Walkability Index (WI) and coded sensitivity analysis algorithm for multi-criteria weights of factors in WI mapping using Python
- Examined association between WI and diabetes prevalence across different age & gender groups by Poisson regression models using ArcGIS, GeoDA, and SPSS

Spatial Modelling for Sinkhole Susceptibility | Waterloo, Canada | Jan - Apr 2015
- Extracted possible factors of sinkholes using Remote Sensing and GIS, and constructed prediction model of sinkhole occurrence using Logistic Regression
- Analyzed results and wrote final report with recommendations for built environment design and future urban development