JIE LI

Philadelphia, PA 19104 | lijiefj@design.upenn.edu | +1 (267) 271-6054
Personal webpage: https://leejere.github.io/Portfolio-Jie-Li/ | LinkedIn page: https://www.linkedin.com/in/jielifj
GitHub: https://github.com/Leejere

EDUCATION

MCP, University of Pennsylvania (Urban Design concentration) (GPA: 3.94/4)   Sept 2021—July 2023
- Selected courses: Urban design; Public policy analytics (machine learning & data analytics using R); Site planning; Multi-modal transport.

BE in Urban Planning (Sociology minor), Peking University (GPA: 89/100)   Sept 2016—July 2021
- Selected courses: Architectural design (95); Urban design (95); Principles of urban planning (91 & 93); Principles in GIS (93); Urban master planning (91); Transportation analysis, modelling, & planning (89).

SKILLS

GIS	Skilled with GIS (both with ArcGIS and using R); Familiar with Remote Sensing processing (using ENVI).
Data	Data analysis and visualization R, Python, SPSS, SQL, transCAD, and Excel; machine learning.
Design	Drawing (AutoCAD), 3D modelling (Rhino/SU), rendering (V-Ray), graphics (Ps/Ai), layout design (Id).
Other	Good with Microsoft Office Suite; knowledge of web design (HTML and CSS).
Transferrable	Reasoning and analytic writing skills (169 in Verbal Reasoning in GRE); quick learning; presentation and communication.

PROJECTS

Design for an age with autonomous vehicles   2022 (course practice)
- Analyzed what changes autonomous vehicles will bring to mobility and built form; in group, devised masterplan for Navy Yard, Philadelphia, as a forerunner of AV environments.
- Individually, designed gateway transit hub & office blocks for Navy Yard in the age of autonomous vehicles.

Predicting delays for NJ Transit   2022 (course practice)
- Devised a model to predict transit delays long ahead of schedule using R; incorporated time lag & spatial autocorrelation; compared multiple models. >70+% of delays detected and 70+% correct; mean error less than 2.7 min. Determined use case for model.

Beijing's: planning VS realizing the New Towns (RESEARCH AND DESIGN)   2018; 2020; 2021
- Processed satellite & census data and incorporated them in GIS to compare how built-up areas and economic hot zones, respectively, respond to planning. Used spatial analytic algorithms.
- Found that compared to built-up area expansion, the perfusion of economic hot zones behaved more like natural outflows of existing centers and less responsive to planning. Work presented at International Seminar on Urban Form (http://epubs.utah.edu/index.php/ISUF2020/article/view/4223); Concept design of a linear new town based on research.

Patient socialization in Fangcang quarantine hospitals (PUBLICATION)   2020
- Conducted semi-structured interviews to learn patients' socialization in Fangcang shelter hospitals converted from public venues in COVID-19 pandemic; published in Indoor and Built Environment (IF = 1.9) (https://journals.sagepub.com/doi/10.1177/1420326X20973745)

PROFESSIONAL EXPERIENCE

Turenscape Design (Architecture intern)   Mar 2020—Apr 2020
- Experimented with design proposal for museum in Taizhou, Zhejiang using SketchUp and physical models.
- Drew analytic diagrams, sections, and plans used for presentations for the client.

Beijing Tsinghua Tongheng Planning & Design Institute (Planning intern)   Sept 2020—Oct 2020
- Researched for the regulatory planning of old industrial base revival: Used census, satellite, and other sources to analyzed development and declines process of the industrial base; researched for best practices and patterns of industrial base renovations world-wide, summarizing them into a report.
- Formed a report on existing conditions, revival opportunities, and reference revival mechanisms.

Guangzhou Urban Planning & Design Survey Research Institute (Planning intern)   July 2020—Sept 2020
- Researched for 10+ cases of quantitative heritage conservation evaluation nation-wide and world-wide.
- Drafted quantitative heritage evaluation table for Guangzhou. Work approved by Vice President of the department.

ACTIVITIES & LEADERSHIP

Student publication of Peking University   2017—2019
- Chief Visual Editor of *Inside PKU*, the most prominent student magazine in China at the time.
- Responsible for visual production of magazine and of promotion items.

Survey for national land space master planning in Wuqing, Tianjin, China   July 2019
- Investigated existing built forms for an entire township and registered them in GIS.
- Facilitated public participation by distributing questionnaires and conducting 30+ interviews.
- Drafted issues & opportunities for the township.