

Changhao Li

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Professor recommender: Zhongjie Lin, Brusilovskiy Eugene

OBJECTIVE

Master of City Planning students (2nd year) with four years of experience in landscape architecture and one year of experience in city planning and urban design. Seeking full time job and internships in urban planning and Spatial data analysis.

EDUCATION

The University of Pennsylvania, Philadelphia, PA

Expected 05/2023

Master of City Planning, Concentrations in Urban Design

- Completed a home-to-office forecast report for Dallas' population, providing recommendations to the city government based on data and social trends to help realize the vision.
- Completed three large-scale design studios, namely the autonomous transportation system for the Philadelphia Navy Yard and the East Parkside, Belmont, Haverford North Community in Philadelphia Development Plan, St Croix U.S. Virgin Islands Planning and Guts System Design.

Beijing Forestry University (BJFU), Beijing, China

09/2015-06/2020

Bachelor of Agriculture, Concentration in Landscape Gardening

GPA: 3.55 / 4.0

- Second Prize Scholarship, 2016-2017 & 2017-2018 Academic Year
- Third Prize Scholarship, 2018-2019 Academic Year
- University-level Merit Student, 02/2019

COURSE WORK

CPLN 6710 Statistical and Data Mining Methods for Urban Data Analysis:

UPenn, United States

Instructor: Brusilovskiy, Eugene

09/2022-12/2022

- Become proficient in utilizing statistical and data mining methods, specifically regression analysis, to analyze urban data, with a focus on identifying patterns and applying the techniques to examples such as urban poverty and racial residential segregation, to predict population changes in the community of Passyunk using census data

CPLN_675 Land Use and Environment Modeling

UPenn, United States

Instructor: Michael Fichman

02/2022-06/2022

- By analyzing the extent of regional development, use GIS and R studio to predict the impact of new urban planning on the spatial distribution of the city resources

CPLN_504 A Site Planning

UPenn, United States

Instructor: Scott Page

02/2022-06/2022

- Using Illustrate, visual representation of the development needs and the pre-analysis of the study area
- Use Rhino and Photoshop to model and rendering of the urban design of the Stadium District in Philadelphia

CPLN_501 Quantitative Planning Analysis Method

UPenn, United States

Instructor: Summer Dong

02/2022-06/2022

- By analyzing Passyunk's census data, use cross-sectional regression and other methods to predict population changes in the community
- Use R studio to study the factors that affect the population change of a community
- Use R studio to study the factors that affect the population change of a community

INTERN & PART-TIME WORK EXPERIENCE

Economic Development Techniques

UPenn, United States

TA Intern

09/2022-12/2022

- *Assisted the instructor in enhancing the laboratory component of the course, which focused on analyzing the urban population and economy*

China Northwest Architecture Design and Research Institute

Xi'an, China

Planning Intern

03/2021-05/2021

Bashan village planning project, Hanzhong, China

- *Retained the old building while designing the functional area of the square for sports and made the master plan and the graphic renderings with CAD and Photoshop*
- *Investigated the local native plants and used CAD to make the planting design*

Kangle county planning project, Linxia hui autonomous region, China

- *According to territorial spatial planning standards to make the land use planning*
- *Analyzed site area data by GIS and Proposed improvement programs to meet the requirements of town governments*

SKILLS & INTERESTS

Skills: Proficient in Microsoft Office (Excel, Word, PowerPoint), Adobe (Photoshop, Illustrator, InDesign), Rhino, Lumion, R studio, and Arc GIS. Intermediate proficiency in Grasshopper, Vary, and Python.

Personal Interests: Snowboarding, Golf, Road trips, Photography.

COURSE WORK

CPLN 6710 – Statistical and Data Mining Methods for Urban Data Analysis: UPenn, United States

Instructor: Brusilovskiy, Eugene

09/2022-12/2022

Become proficient in utilizing statistical and data mining methods, specifically regression analysis, to analyze urban data, with a focus on i