

Tingting Huang

Address: 411 North 34th Street, Philadelphia, PA 19104
Mobile Number: (267)844-9799| E-mail: huangtt@upenn.edu

EDUCATION

University of Pennsylvania

08.2019-05.2021

- Candidate for Master of *City Planning* (concentration: Sustainable Transportation and Infrastructure Planning)
Course Work: Modeling Geographical Objects: A+
Planning By Numbers: A

Sun Yat-sen University (SYSU)

09.2015-06.2019

- Bachelor of Science in *Human Geography and Urban-Rural Planning*; GPA: 3.941/4.0
- Minor: Finance
- Scholarships & Awards: National Scholarship (Top 1%),
First-class Scholarship of SYSU (Top 2%),
“Sports, Culture and Art” Scholarship of SYSU

INTERNSHIP

Guangdong Urban & Rural Planning and Design Institute: Assistant Planner

08.2018-10.2018

Big Data Center – Intelligent Planning R&D Center

- Collected and processed data; realized data visualization via ArcGIS;
- Processed and visualized data collected via statistical methods and from Baidu; analyzed the relation between population density and mobility in Weihai and its tourist sites and routes through methods like calculation of strength of network connections; presented the analysis result in a report to prepare for urban planning of Weihai;
- Based on POI data, used kernel density estimation to analyze the distribution of residents in Heyuan city, its coverage of public service facilities, distribution of enterprises and industries, accessibility of city park;
- Input the collected data to the gravity model; worked out the strength of regional economic connections; drew the economic connection network of Heyuan city and analyzed the spatial features of the network.

Urban & Rural Sustainable Development Planning Research Center of SYSU: Assistant Planner

03.2018-07.2018

- Industry planning project:
 - ✧ Collected data about edible mushrooms in Gutian, Fujian to prepare an edible-mushroom industry analysis report;
 - ✧ Through research methods like case studies, literature review and induction research, put forward the proposal of using big data platforms to promote upgrading of traditional industries according to the status quo of the traditional industries;
 - ✧ Completed an industry planning report.
- Old community renovation project:
 - ✧ Analyzed typical study cases and wrote a report on the problems, major measures and achievements in renovation of old communities to provide references for renovation and upgrading of old communities in Guangzhou;
 - ✧ Assisted engineers in drawing planning maps via ArcGIS and Auto CAD.

Chinese Academy of Sciences: Research Assistant

06.2017-12.2017

Project Name: Multi-center Measurement of Scientific Cooperation Network and Functions of City Groups in Guangdong-Hong Kong-Macau Greater Bay Area

- **Data Acquisition:** acquired the number of theses that researched on inter-city cooperation within and beyond the greater bay area from Web of Science;
- **Data Processing:** Proposed using the Gini coefficient to measure multi-centricity; worked out the Gini coefficient according to the number of published theses in different cities to evaluate the multi-centric degree of knowledge production level and describe city's autogenous knowledge production capacity in the bay area; worked out the multi-centric degree of each city in the knowledge cooperation network to build a basis for subsequent explanation;
- **Preparation of Analysis Charts:** drew the scientific cooperation network map of city groups in the bay area via R software;
- **Result Analysis:** analyzed the multi-centric degree of each city in the bay area under different dimensions and the roles (incubators or hubs) that cities in the bay area played in scientific cooperation; completed the research report.

RESEARCH PROJECT

Research on Spatial Patterns and Determinants of Talents Distribution in China, 2000–2015

07.2019-12.2019

- Collected data from statistical yearbook and processed data;
- Calculated Theil index;

- Realized data visualization by ArcGIS;
- Test potential influence factors by STATA;
- Summarize research finding and write thesis.

Research on Population Backflow to Villages in Northern Guangdong and Its Influence from the Perspective of Ural Revitalization Strategy – A Case Study of Shaoguan **06.2018-10.2018**

2018 “Challenge Cup” Collegiate Extracurricular Academic & Scientific Project Contest

- Organized discussions to identify the research direction and designed specific questionnaires;
- Contacted the local government and organized the project members to conduct field research; distributed 78 questionnaires and interviewed 18 migrant workers who returned to their hometown;
- Entered the questionnaire result for data processing and processed data via descriptive statistical method and comparative analysis;
- Wrote the research report

Functional Analysis and Optimization Solution of Guangzhou Higher Education Mega Center (HEMC) under the Trend of Knowledge City **03.2017-04.2018**

National Entrepreneurship Training Plan Project (Provincial Project)

- Conducted preliminary background research to determine the research topic;
- Made fieldwork and produced land utilization status quo maps and analysis charts via Auto CAD;
- Made questionnaire surveys for students in HEMC and interviewed staff in the planning administration;
- Organized group discussions and proposed optimization solutions like integrating the types of land utilization and increasing public service facilities around student dormitories.

Move-out of Huawei – Research on Relocation of Enterprises under Shenzhen-Dongguan-Huizhou Integration

10.2017

First Prize in Chinese National Geography Presentation Contest

- Organized fieldwork;
- Reviewed literature and referred to the fieldwork result to analyze causes of Huawei’s relocation plan against the backdrop of Shenzhen-Dongguan-Huizhou integration; in light of the strategy of “empty the coop to change birds” and industrial transfer in the Pearl River Delta, analyzed the relocation mechanism and its influence;
- Prepared PPT slides and delivered presentation.

SKILL

Data Analysis: Proficiency in R, Basic Programing in Python and STATA.

Graphic Design: Proficiency in ArcGIS, Adobe Creative Cloud (Photoshop, Illustrator, InDesign), Auto CAD, SketchUp.

Content Editing: Microsoft Office Suite

Language: English, Chinese