XIONG ZHENG

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EDUCATION

UNIVERSITY OF PENNSYLVANIA   Philadelphia, USA
Master of Urban Spatial Analytics   May 2022
  - Selected Relevant Courses: Public Policy Analytics, Spatial Statistics & Data Analysis, Geospatial Data Science, Java Script Programming, Remote Sensing

TONGJI UNIVERSITY   Shanghai, China
B.S. Environmental Design   May 2021
  - Focused on Arduino coding, urban planning, urbanization, district analysis, design intervention and its analyses

PROFESSIONAL

HOME PRICE PREDICTION FOR BOULDER COUNTY   Practice during Master
  - Collected and selected 35 features relevant to home price in three aspects: Internal and External Features, and Amenities)
  - Applied a series of transformations on the features to make it describe home price better
  - Considered spatial effects and used HLM (Hierarchical linear model) for machine learning

COST BENEFIT OPTIMIZATION FOR HOME REPAIR TAX CREDIT PROGRAM   Practice during Master
  - Analyzed and explored existing consumer data and their historical decisions
  - Engineered predictive features, applied logit regression, and tested prediction accuracy (ROC, Sensitivity, and Specificity)
  - Constructed cost benefit analysis model and defined optimal threshold for model

DELAY PREDICTION FOR NJ TRANSIT   Practice during Master
  - Decided use case and model function; and explored data on time, line, and space aspects
  - Constructed time lag indicators and applied temporal, and spatial clustering effect on the regression model
  - Compared different prediction models and used segmentation models to improve prediction effect

JONES LANG LASALLE INC.   Shanghai
Real Estate Consulting Intern   Feb. 2021 – Jul. 2021
  - Produced ten plus specific property consulting reports and city consulting reports in Yangtze River Delta Mega-City Region for Top500 clients.

ACTIVITIES & LEADERSHIP

WEITZMAN SCHOOL REAL ESTATE CLUB (WSREC)   Philadelphia
Member   Oct. 2021 – Present
  - Researched about real estate development cases in Philadelphia and New York
  - Talked with 10+ guest speakers for practical real estate industry experience
  - Participated site visits for real estate development cases throughout the Philadelphia area

URBAN CHINA COLLECTIVE (UCC)   Philadelphia
Member   Oct. 2021 – Present
  - Held an academic annual conference with scholars about China's urbanization process and its effect
  - Researched about China urbanization, and urban infrastructure renovation case studies in New York

STUDENT UNION OF TONGJI UNIVERSITY   Shanghai
Vice Chair of Public Relationship Department   Sept. 2015 – May. 2017

SKILLS & INTERESTS

  - **Data Wrangling & Visualization:** R, Python, JavaScript, SQL
  - **Spatial Analytics:** ArcGIS, Image Analysis, Machine Learning
  - **Design:** Photoshop, Illustrator, InDesign, Adobe Effects, SketchUp, AutoCAD
  - **Interests:** Urban Research, Real Estate Development, Photography, Electric Guitar
  - **Languages:** English, Cantonese, Mandarin