

# SHAUN ZHENG

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## EDUCATION

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### UNIVERSITY OF PENNSYLVANIA

#### Master of Urban Spatial Analytics

- Courses: Public Policy Analytics, Spatial Statistics & Data Analysis, Geospatial Data Science, Java Script Programming

Philadelphia  
2021 - Present

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY

#### Certificate of Finance

- Courses: Foundations of Modern Finance, and Financial Accounting

Online  
2022

### TONGJI UNIVERSITY

#### B.S. Environmental Design

- Courses: Arduino coding, urban planning, urbanization, district analysis, design intervention and its analyses

Shanghai  
2017 - 2021

## PROJECTS

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### HOME PRICE PREDICTION FOR BOULDER COUNTY

- Collected and selected 35 features relevant to home price in three aspects: Internal and External Features, and Amenities
- Applied 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

- 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

- 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

## WORK & EXTRA-CURRICULAR EXPERIENCE

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### JONES LANG LASALLE INC. - A world leader in real estate services

#### Real Estate Consultant Intern

- Wrote 5+ internal reports covering topics like Chinese REITs Policies, cold chain, and medicine logistics policies
- Produced 10+ specific property consulting reports and city consulting reports in Yangtze River Delta Mega-City Region for Top500 company clients from FMCG, Medicine, Food, Chemical, and Automotive Manufacturing industries

Shanghai  
Feb. 2021 – Jul. 2021

### CREATER.CO - A leading developer in Shanghai real estate market

#### Strategy and Project Management Intern

- Conducted three urban renovation projects with citizens, designers, and artists around the world
- Proposed strategies for four urban renewal projects and put into practices

Shanghai  
Apr. 2019 – Dec. 2019

### UPENN WEITZMAN SCHOOL REAL ESTATE CLUB (WSREC)

#### Professional Board Director

Philadelphia  
Oct. 2021 – Present

### STUDENT UNION OF TONGJI UNIVERSITY

#### Vice Chair of Public Relationship Committee

Shanghai  
Sept. 2015 – May. 2017

## SKILLS

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- **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