

SHAUN ZHENG

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EDUCATION

UNIVERSITY OF PENNSYLVANIA

Master of Urban Spatial Analytics – GPA: 3.94/4

- Courses: Predictive Analytics, Spatial Statistics & Data Analysis, Machine Learning, Java Script Programming

Philadelphia

2021 - Present

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Certificate of Finance

- Courses: Introduction To Property Development, Urban Real Estate Econ, Quantitative Finance

Online

2021 - Present

TONGJI UNIVERSITY

B.S. Environmental Design – GPA: 3.86/4

- Courses: Arduino Coding, Urban Planning, Urbanization, District Analysis, Design Intervention and Analyses

Shanghai

2017 - 2021

PROJECTS

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 TAX CREDIT PROGRAM

- Analyzed and explored existing consumer data and their historical decisions
- Engineered predictive features, applied logit regression for machine learning, and tested prediction accuracy
- Constructed cost benefit analysis model and defined optimal threshold for model

DELAY PREDICTION FOR NJ TRANSIT

- Decided use case and model function; explored data on time, line, and space aspects
- Constructed time lag indicators and applied temporal, and spatial clustering effect on the machine learning model
- Compared different prediction models and used segmentation models to improve prediction effect

WORK & EXTRA-CURRICULAR EXPERIENCE

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

- **Data Programing Languages:** R, Python, JavaScript, SQL, HTML
- **Data Analytic Topics:** A/B Test, Machine Learning, Deep Learning, ArcGIS, Image Analysis
- **Design:** Photoshop, Illustrator, InDesign, Adobe Effects, SketchUp, AutoCAD
- **Interests:** Urban Research, Statistics, Quantitative Research, Real Estate Development, Finance, Electric Guitar
- **Languages:** English, Cantonese, Mandarin