Peter Cho

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EDUCATION

University of Wisconsin-Madison

M.S., Economics; 3.50 GPA Expected May 2024

B.A., Economics; 3.32 GPA (3.51 Major) May 2021

PROJECTS

Real Estate Market Analysis

May 2023-Dec. 2023

- · Analyzed market performance on absorption, vacancy, and capitalization rates to identify market trends using CoStar data.
- Integrated demographic data, zoning regulations, and development plans to assess and mitigate risk factors.
- Enhanced the accuracy of the hedonic HPI by benchmarking against alternative HPIs, to strengthen the market assessment.

Comprehensive Urban Planning Strategy Development (Link)

May 2023-Dec. 2023

- · Conducted socioeconomic analysis on housing expenditure share and mortgage market using census and HMDA data.
- Critically assessed Madison's comprehensive city plan and proposed strategic improvements to the mayor.
- Constructed and modified the Small Business Vulnerability Index to enhance opportunity generation for small businesses.

Spatial Analysis of Labor Distribution in Urban Planning (Link)

May 2023–Dec. 2023

- Designed a general equilibrium model to analyze the spatial labor misallocation driven by zoning regulations across the US.
- Conducted a counterfactual analysis that revealed significant improvements in spatial misallocation since 2010.
- Evaluated the alignment of the new model with *Hsieh and Moretti* (2019) using kernel density estimation techniques.

WORK EXPERIENCE

Center for Research on the Wisconsin Economy (CROWE) at UW-Madison

Jan. 2024-May 2024

Graduate Research Assistant

- Executed industrial market analysis and presented industry trends at a state level to Professor Kim Ruhl.
- Developed interactive maps to visualize contracts by firm location and optimized the publication process using APIs.
- Investigated the inflow-outflow dynamics of federal contracts and grants by firms and sectors in the Midwest using Python.
- Assessed higher education's longitudinal effect on earnings, examining the variations across majors and institutions.

Professor Paolo Martellini at UW-Madison

Jan. 2023–Aug. 2023

Research Assistant

- Developed a database containing real estate, zoning, and tax data from Chicago and NYC for Professor Paolo Martellini.
- Created spatial map on *Python* for housing prices, land use, and density restrictions, which were distributed to the faculties.
- Synthesized research findings into summaries for the working paper 'Local Labor Markets and Aggregate Productivity'.

Republic of Korea Army

Oct. 2018-May 2020

Sergeant

- Managed complex warehouse inventory and logistics and oversaw supplier contracts for the procurement of goods.
- Optimized the demand forecast model to significantly improve resource allocation across 64 subsidiary battalions.
- Enhanced leadership and tactical communication by directing soldier training exercises in extreme cold weather conditions.

Institute for Development and Human Security

May 2017-Aug. 2017

Research Assistant

- Mapped the dynamics of economic and demographic interests in developing countries.
- Organized and promoted the 2017 International Health Student Writing Competition.
- Drafted a grant report analyzing OECD development aid for submission to the Bill and Melinda Gates Foundation.

SKILLS

Python, R, Stata, QGIS, SQL, Tableau, LaTeX, MS Office

LANGUAGES AND CERTIFICATE

English (Fluent), Korean (Fluent)

Harvard Business School Online: Big Data for Social Good

Jan. 2022-Feb. 2022