

SEAN HWANG

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EDUCATION

Brandeis University , Waltham, MA Ph.D. in International Economics and Finance	Expected May 2026
Tufts University , Medford, MA MS in Economics	May 2020
Pomona College , Claremont, CA BA in Economics	May 2017

RESEARCH INTERESTS

Empirical International Trade Policy, Environment, Global Value Chains

RESEARCH PAPERS

“How do Trump Tariffs Affect Carbon Emissions?”

- Quantified the environmental impact of U.S. tariffs using a global CGE model, showing that emissions fall modestly through cleaner production (technique effect).
- Demonstrated that tariffs impose widespread economic costs with no clear regional beneficiaries, as trade and GDP decline globally.

“What is the Effect of the Korea-US Free Trade Agreement on Global Value Chains?”

- Found that the free trade agreement increased global value chain participation between Korea and the US in the auto industry

“The Economics of the Net Zero Transition: Policy Scenarios and the Role of Trade and Cooperation” with Peter Petri and Michael Plummer

- Demonstrated that Net Zero Emissions can be achieved with minimal GDP loss, accounting for distributional effects
- Identified the significant role trade policies can play in mitigating the costs of achieving Net Zero Emissions

TEACHING EXPERIENCE

Adjunct Professor, Brandeis University International Trade Policy and Institutions Statistical Modeling with R for Economics and Finance Oral Communication in Economics Practicum	2024-2025
Teaching Assistant, Brandeis University Applied International Macroeconomics with Carol Osler Money & Banking with Scott A. Redenius Economic Development Strategies with Judith Dean Empirical Analysis of Trade Policy with Judith Dean	2021-2024
Teaching Assistant, Tufts University Principles Economics with Environmental Application with Ujjayant Chakravorty Principles Economics with Nancy Kimelman	2019-2020

WORK EXPERIENCE

Research Assistant, Brandeis University

2021-2022

- Analyzed real-time foot traffic data to observe changes in visits to cancer centers due to COVID-19 with Ben Shiller
- Measured the impact of the Cash-Out program using Supplemental Security Income data with Amelia Hawkins
- Constructed Multi-Region Input-Output Table (MRIOT) from GTAP data

Research Assistant, Tufts University

2020

- Collaborated with the Neighborhood Housing and Community Development Department in Austin and the Office of Housing Stability in Boston to analyze the impact of COVID-19 and rental relief funds on rent payments with Shomon Shamsuddin

Research Assistant, Harvard University

2016, 2018

- Developed a digital database of macroeconomic indicators for countries in the Middle East and North Africa with Melani Cammett

Intern, Korea Development Institute

2014

- Facilitated communication and diplomacy between high-level foreign officials and program hosts

SKILLS

Programming

Stata, R, MATLAB, SQL

Other Skills

L^AT_EX, TABLO, GEMPACK, ABBYY Finereader, Microsoft Office

Language (Native)

English, Korean

Other Languages

Arabic, Latin

REFERENCES

Peter Petri

Carl Shapiro Professor of International Finance
Brandeis University
ppetri@brandeis.edu

George Hall

Fred C. Hecht Professor in Economics
Brandeis University
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Judith Dean

Professor of International Economics
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