

**Academic Positions:**

Assistant Professor of Economics, University of Tokyo, August 2022 –  
Visiting Scholar, University of Cambridge, March 2023

**Past Academic Positions:**

Postdoctoral Research Associate, University of Cambridge, August 2021 – August 2022  
Dissertation Fellow, Federal Reserve Bank of San Francisco, June 2019 – August 2019

**Education:**

Ph.D., Economics, University of Pennsylvania, 2021  
(Advisors: Jesús Fernández-Villaverde and Dirk Krueger,  
Committee: Frank Schorfheide and Andrew Abel)  
M.A., Economics, University of Pennsylvania, 2021  
M.S., Finance, University of Illinois at Urbana-Champaign, 2016  
B.B.A., Business Administration, Korea University, 2014  
B.S., Mathematics, Korea University, 2014

**Research Fields:**

Macroeconomics, Finance

**Publication:**

*“The Risk-Premium Channel of Uncertainty: Implications for Unemployment and Inflation”*  
with Lukas B. Freund and Pontus Rendahl, 2022 – *Accepted at Review of Economic Dynamics*

**Working Papers:**

*“Striking While the Iron Is Cold: Fragility after a Surge of Lumpy Investments”*

*“Solving DSGE Models Without a Law of Motion: An Ergodicity-Based Method and an Application”*

*“Top Income Inequality and the Business Cycle”*

*“Rising Intangible Capital and the Disappearance of Public Firms”*  
with Sara Casella and Sergio Villalvazo

*“Infrastructure Fiscal Multiplier and Corporate Taxations”* with Minsu Chang

**Work in Progress:**

*“Rising Intangibles and Technology-Biased Technical Change”* with Jesús Fernández-Villaverde

*“An Analytical Theory of Firm Dynamics under the Real and Financial Frictions”*  
with Vasco M. Carvalho

*“Labor Market Impact of M&A and Skill Complementarity”* with Minji Bang

**Presentations (\*scheduled, \*\*co-author):**

- 2023 Osaka University\*, University of Sydney\*, Monash University\*, University of Melbourne\*, Singapore Management University\*, National University of Singapore\*, Queen Mary University of London\*, Federal Reserve Bank of Cleveland\*\*
- 2022 Bank of England, Yonsei University, Canadian Economics Association Conference, KEA International Conference, Society for Computational Economics (CEF), RES Junior Symposium, Econometric Society Australasia Meeting, Asian Meeting of the Econometric Society in East and South-East Asia, EEA-ESEM, Korea Development Institute, Hitotsubashi University, ITAM-PIER Conference on Macro-Finance, The Chinese University of Hong Kong, University of Hong Kong, City University of Hong Kong, Waseda University, Keio University, University of Colorado Boulder, Midwest Macro Conference (Fall), National Graduate Institute for Policy Studies (GRIPS), University of Tokyo, Aarhus University\*\*, Aix-Marseille School of Economics\*\*, Midwest Macro Conference (Spring)\*\*, Federal Reserve Board\*\*, Penn Macro-labor Reading Group\*\*, Lisbon Macro Workshop\*\*, Oslo Macro Conference\*\*, Stanford SITE\*\*, University of Copenhagen\*\*, ABM4Policy Workshop\*\*
- 2021 AEA/ASSA (Virtual), Korea Development Institute, Bilkent University, Federal Reserve Board, Bank of Korea, Federal Reserve Bank of St. Louis, Federal Reserve Bank of Boston, University of Tokyo, University of Florida, Korea University (Business), Korea University (Econ), SED Annual Meeting, MMF Annual Conference, University of Cambridge, European Winter Meeting of the Econometric Society
- 2020 KEA International Conference, WEAI Annual Meeting, MEA Annual Meeting (cancelled), University of Pennsylvania
- 2019 Federal Reserve Bank of San Francisco, University of Pennsylvania

**Discussions (\*scheduled):**

- 2022 “Understanding Trend Inflation Through the Lens of the Goods and Services Sectors” by Yunjong Eo, Luis Uzeda, and Benjamin Wong, Japan-Korea Economic Society Academic Exchange Workshop

**Professional Activities:**

- Referee International Economic Review (4), Games and Economic Behavior, Macroeconomic Dynamics

**Honors, Scholarships, and Fellowships:**

- 2022 Best Paper Award for Early Career Academics at Econometric Society Australasia

	Meeting
2020	Hiram C. Haney Fellowship Award in Economics for Best Third Year Research Paper
2019	FRB San Francisco Thomas J. Sargent Dissertation Fellowship
2018	Princeton Initiative Summer Program
2016-2020	University of Pennsylvania Doctoral Fellowship
2016-2020	Kwanjeong Educational Foundation Fellowship
2015	American Finance Association (AFA) Doctoral Student Travel Grant Award
2014	Zwisler Fellowship (merit-based), University of Illinois at Urbana-Champaign
2014-2015	University of Illinois at Urbana-Champaign Doctoral Fellowship

**Teaching Experience:**

Spring, 2023	University of Tokyo, <i>Macroeconomics I</i> (Ph.D., core)
Spring, 2023, Fall, 2022	University of Tokyo, <i>Macroeconomy and Capital Markets</i> (Ph.D.)
Spring, 2022	University of Cambridge, <i>Computational Methods for Macroeconomics</i> (Ph.D.)
Summer, 2019, Summer, 2020	University of Pennsylvania, <i>Math Camp</i> (Ph.D.)
Spring, 2018	University of Pennsylvania, <i>Intermediate Macroeconomics</i> , Teaching Assistant to Professor Dirk Krueger
Fall, 2017	University of Pennsylvania, <i>Econometrics I: Fundamentals</i> (Ph.D.), Teaching Assistant to Professor Xu Cheng
Spring, 2013	Korea University, <i>Investments</i> , Teaching Assistant to Professor Baeho Kim

**Languages:** English (fluent), Korean (native)

**Computational Skills:** MATLAB, Julia, R, Stata, SAS