

JUN HO CHOI

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EDUCATION

Columbia University

Ph.D. in Sustainable Development

New York, NY

Sep 2022 – Current

University of Chicago

Graduate Student-at-Large Program

Chicago, IL

Apr 2021 – Jun 2022

M.A. in Computational Social Science, Economics Concentration

August 2020

Thesis Advisor: Professor Pablo Peña

Princeton University

A.B. in Economics, *with honors (cum laude)*

Princeton, NJ

June 2018

Certificate Program in Statistics and Machine Learning

Thesis Advisor: Professor Nobuhiro Kiyotaki

WORKS IN PROGRESS

(With Douglas Almond and Anna Papp) “Bitcoin Bites: Ambient pollution and labor market outcomes in Pennsylvania.” Presented at Columbia SDEV Colloquium (Oct 2024), the Chinese University of Hong Kong (Jan 2025) and Virtual Sustainable Development Seminar (Mar 2025).

“Weather innovations and weathered roads.”

PUBLICATIONS

Choi, Jun Ho, Oliver Garrod, Paul Atherton, Andrew Joyce-Gibbons, Miriam Mason-Sesay, Daniel Björkegren. 2023. “Are LLMs useful in the poorest schools? TheTeacher.AI in Sierra Leone.” *NeurIPS’23 Workshop on Generative AI for Education*. [Link]

Depsky, Nicholas, Ian Bolliger, Daniel Allen, **Jun Ho Choi**, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Robert E. Kopp. 2023. “DSCIM-Coastal v1.1: an open-source modeling platform for global impacts of sea level rise.” *Geoscientific Model Development* 16: 4331–4366. [Link]

Peña, Pablo A., and **Jun Ho Choi**. 2021. “Female representation among notable people born in 1700–2000.” *Economics Letters* 206: 1–4. [Link]

RECENT RESEARCH EXPERIENCE

School of International and Public Affairs, Columbia University

New York, NY

PhD Research Assistant

Aug 2023 – Dec 2024

Supervisor: Daniel Björkegren

- Conducted LLM-related tasks to help assess how generative AI can help teachers in low-income countries

Climate Impact Lab (CIL) & Energy Policy Institute, University of Chicago

Chicago, IL

Research Professional, Pre-doctoral Fellow

Sep 2020 – Jul 2022

Supervisors: Professors Solomon Hsiang and Michael Greenstone, and Dr. Ian Bolliger

- Assessing global impacts of 21st century sea level rise and tropical cyclones, and social cost of carbon

RECENT TEACHING EXPERIENCE

Climate Finance (Professors José Scheinkman and Harrison Hong)

Spring 2025

Applying Machine Learning (MA-level; Professor Daniel Björkegren)

Spring 2024

Computing in Context (Professor Adam Cannon)

Fall 2023

AWARDS, GRANTS, AND FELLOWSHIPS

Doctoral Fellowship, Sustainable Development, Columbia University

Sep 2022 – Current

Pre-Doctoral Fellowship, Energy Policy Institute at the University of Chicago

Sep 2020 – Jul 2022

Merit-based scholarship (maximum), University of Chicago

Sep 2018 – Jun 2020

OTHER INFORMATION

Programs and Languages

Experienced: Python, R, Stata, Matlab, SQL, SPARQL, MS Office, Git, L^AT_EX, ArcGIS, and Shell Scripting

Beginner: ENVI, Julia, Java, Mathematica, HTML, Stan, and Django

Languages: Korean (native), English (fluent), Standard Chinese (basic)