

JUNE CHOI

junechoi@stanford.edu | junechoi.com

EDUCATION

Stanford University

PhD—Doerr School of Sustainability, Earth System Science

Stanford, USA

Sept 2021 – Aug 2026

- Selected coursework: *Empirical Methods in Sustainable Development, International Finance and Macroeconomics, Advanced Methods in Modeling for Climate and Energy Policy, Addressing Deep Uncertainty in Systems Models for Sustainability*

Johns Hopkins, School of Advanced International Studies (SAIS)

Master of Arts—International Economics and International Relations

Washington D.C.

Sept 2017 - Dec 2018

Concentration: *Energy, Resources & Environment, Quantitative Methods and Economic Theory Specialization*

- Selected coursework: *Risk Analysis and Modeling, Applied Econometrics, Climate Finance and Sustainable Infrastructure, Energy Poverty, Microeconomics, Macroeconomics, International Trade Theory and Policy, International Monetary Theory and Policy*

Hopkins Nanjing Center

Graduate Certificate—Energy, Resources and Environment

Nanjing, China

Sept 2016 – May 2017

- Selected coursework: *Economic and Policy Instruments for Pollution Control, Environmental Justice, Corporate Finance, Philip C. Jessup International Law Moot Court Competition*

Amherst College

Bachelor of Arts—Sociology & Asian Civilizations and Languages

Amherst, USA

Sept 2012 – May 2016

- Phi Beta Kappa; Amherst-China Initiative Fellow (2013), CET-Beijing (2015)

ACADEMIC APPOINTMENT

London School of Economics and Political Science

LSE Fellow, Global School of Sustainability

London, UK

Sept 2026 – present

RESEARCH EXPERIENCE

International Institute of Applied Systems Analysis

Young Summer Scientists Program Fellow

Vienna, Austria

June 2024 – Aug 2024

- Led research on quantifying the role of country-level adaptive capacities in moderating climate-economic damages (Energy, Climate and Environment group; advised by Ed Byers, Marina Andrijevic, Adriano Vinca)

OneShoreline, Flood Resiliency District of San Mateo County

Climate Justice Fellow

San Mateo County, USA

June 2022 – Oct 2022

- Researched flood insurance trends in San Mateo County and developed criteria to identify communities that currently face a disproportionately high cost burden of flood insurance.
- Presented findings to OneShoreline's Board of Trustees and flood insurance experts to gather inputs for designing a pilot project for community insurance.

Climate Policy Initiative

Climate Finance Analyst

San Francisco, USA

March 2019 – July 2021

- Managed project “*Scaling Innovative Climate Finance in China*,” supported by the Hewlett Foundation, assessing replicability of instruments incubated through the [Global Innovation Lab](#) (through March 2021)
- Led analysis on the effectiveness of China's green bond market and investigated emerging green banking trends, in collaboration with the International Institute of Green Finance (IIGF).
- Co-authored research on innovative adaptation finance in Africa post-COVID-19, in collaboration with the [Global Center on Adaptation](#).
- Supported research on project “*Principles for Financing a Sustainable Recovery*” in collaboration with Oxford University and funded by European Climate Foundation, co-chaired by Laurence Tubiana and Rachel Kyte.
- Led green finance tracking and provided recommendations for implementing Paris-alignment on behalf of the International Development Finance Club (IDFC), a group of 26 national and regional development banks.

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Climate Bonds Initiative

*Policy and Standards Intern
Consultant*

London, UK

June – Aug 2018

Sept 2018 – Sept 2019

- Convened and supported research for the [Adaptation and Resilience Expert Group \(AREG\)](#), a group of 34 leading experts advising the development of [“Climate Resilience Principles”](#) (published Sept 2019)
- Co-authored the biannual global policy highlights on green bonds market development (July 2018)
- Prepared survey targeting US investors to investigate investment appetite for resilience bonds.

AECOM—Climate Resilience Practicum

Graduate Consultant, Team Lead on Hurricane Risk

Washington D.C.

September 2017 – May 2018

- Built a hurricane risk model to assess the financial impact of hurricanes on the coast of Greater Miami, Florida (average \$3.3bn damage across 4,800sq miles). The model allows users to select hurricane parameters, input the financial value of exposed physical assets, and compare the benefit-cost-ratios of resilience strategies.
- Researched barriers to resilience investments, innovative financing mechanisms, and the role of coastal cities.
- Interviewed Chief Resilience Officers connected to Rockefeller Foundation’s 100 Resilient Cities (100RC).
- Presented research findings to the public and initiated discussion panel of resilience experts at SAIS.

China-Africa Research Initiative (CARI)

Research Assistant

Washington D.C.

September 2017—May 2018

- Tracked Chinese finance flows into North Africa (covering +256 projects across 10 countries), including bilateral loans, infrastructure and energy projects, by bank type and loan term.
- Cross-checked information across news articles, annual reports and Chinese government websites.
- Conducted analyses on China’s energy financing trends in Africa from 1997- 2017.

The Nature Conservancy

China Belt and Road Initiative Intern

Washington D.C.

March 2018 – December 2018

- Served as personal intern to Bob Tansey, senior advisor of China External Affairs Team.
- Developed a proposal addressed to China’s National Development and Reform Commission (NDRC) suggesting potential avenues for TNC to collaborate on “greening” the Belt and Road Initiative (BRI).
- Prepared briefing notes on new BRI and China policy developments.
- Researched China’s commodity financing structures and their potential implications for BRI countries.

United Nations Economic and Social Commission for Asia-Pacific (UNESCAP)

Intern, Energy Division

Bangkok, Thailand

June 2017 – September 2017

- Background research on energy sector policies and governance structures of Fiji, Tonga, Kazakhstan, Thailand, and Pakistan, to identify capacity-building needs and support project development.
- Drafted concept notes, agendas, and presentations for the *“SDG7 and Interlinkages Symposium.”*

ACADEMIC PUBLICATIONS

J Choi. (2025). “Closing the flood insurance protection gap.” *Nature Climate Change (News & Views)*, 1–2.
<https://doi.org/10.1038/s41558-025-02385-z>

J Choi, Dissenbaugh, N. S., & Burke, M. (2024). “The Effect of Flood Exposure on Insurance Adoption Among US Households.” *Earth’s Future*, 12(7), e2023EF004110. <https://doi.org/10.1029/2023EF004110>
Media coverage: [Yahoo Finance](#), [Law360](#)

WORKING PAPERS

J Choi, R Jing, C. Callahan, M Burke, & N. S. Dissenbaugh. (2026). “The debt burden of tropical cyclones and climate change.” *EarthArXiv preprint*. <https://doi.org/10.31223/X59F3T> (under revision PNAS)
Media coverage: [Bloomberg Green](#)

M Burke, et al. (2025). *Understanding and Addressing Temperature Impacts on Mortality*. NBER Working Paper. (J Choi, co-author) <https://doi.org/10.3386/w34313> (under revision Nature)

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WORK IN PROGRESS

“Climate Sensitivity of Debt Sustainability Projections”; with S Meiler, N Diffenbaugh, M Burke

“CliFin: A Framework for Asset-Level Climate Risk Assessment in Infrastructure Investment”; with I Soh, W Lee, S Park, J Weyant

“Regional perspectives on applying DMDU methods in Latin America and the Caribbean”; with S Turner, M Paredes, Y Graf, C Alves, C Nuñez

“Quantifying the Role of Adaptive Capacities in Damage Functions”; with M Andrijevic, E Byers, A Vinca

PROFESSIONAL PUBLICATIONS

J Choi, [*“Life in the Peripheries: Tondo and Baseco.”*](#) Johns Hopkins SAIS Perspectives. Dec 2021.

I Sasson, **J Choi**, M Richmond, N Upadhyaya, A Pastor, [*“Building Climate Resilience in Cities through Insurance.”*](#) CPI, Cities Climate Finance Leadership Alliance, Atlantic Council. Sep 2021.

J Choi, W Li. [*“The Potential for Scaling Climate Finance in China.”*](#) CPI. Jan 2021.

J Choi, R Macquarie, B Naran, [*“IDFC Green Finance Mapping 2020.”*](#) CPI. Nov 2020.

J Choi, D Escalante, M Larsen, [*“Green Banking in China – Emerging Trends.”*](#) CPI. Aug 2020.

D Escalante, **J Choi**, N Chin, Y Cui, M Larsen. [*“Green Bonds in China: the State and Effectiveness of the Market.”*](#) CPI. June 2020.

A Clark, **J Choi**, B Tonkonogy, C Wetherbee. [*“Implementing Alignment with the Paris Agreement: Recommendations for the IDFC.”*](#) CPI. September 2019.

J Choi, D Jeon, Y Fan, J Jia. [*“Cities as Innovation Centers: Investing in resilient infrastructure.”*](#) AECOM. Nov 2018.

J Choi. [*“Myanmar’s contested development trajectory.”*](#) Johns Hopkins SAIS Perspectives. May 2018.

CONFERENCE PRESENTATIONS & TALKS

Modeling Climate-Economic Dynamics for Young Scholars Workshop, University of Chicago (2026)

Invited speaker. American Meteorological Society, Financial Weather and Climate Risk Committee Speaker Series. (2026)

Invited speaker. Duke University, Nicholas Institute for Energy, Environment & Sustainability (2026)

Sustainable Finance and Investment for Just Transitions Workshop (hosted by London SOAS; CEPR; University of Cape Town), Talk (2025)

Invited keynote speaker. Africa Pavilion, COP30 in Belém, Brazil (2025)

Invited speaker. Kings College London - Peking University Roundtable on Chinese Climate Finance Law: Enhancing institutional understanding and linkages (2025)

Invited speaker. Stanford Climate Week (2025)

Invited speaker. Stanford Graduate Summer Institute. Talk (2024, 2025)

Decision-Making under Deep Uncertainty Annual Meeting. Poster (2023); Talk (2024, 2025)

American Geophysical Union Annual Meeting. Poster (2023, 2024); Talk (2022, 2025)

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FELLOWSHIPS & FUNDING

McCoy Family Center for Ethics in Society Graduate Fellowship (2025)
Young Summer Scientist Program Fellow, International Institute for Applied Systems Analysis (2024)
Diversifying Academia, Recruiting Excellence Finalist (2024)
Stanford Projects for Intellectual Community and Engagement (2023)
Partnerships for Climate Justice Summer Fellowship (2022)
Seth E. Frank Amherst Graduate Fellowship (2017, 2018)
Folger Research Fellow (2015)
Gregory S. Call Summer Research Fellowship (2014)
Ouyang China Scholarship (2014)

TEACHING

Public Narrative Coach, Harvard Kennedy School Virtual Workshop, Aug 2025
Teaching Assistant, “SUSTAIN 101C: Climate 101,” Spring 2025
Teaching Fellow, Leadership Intensive and Public Narrative, Winter Quarter 2023, 2024, 2025
Guest Lecture, Fudan University “Climate Risk Measurement and Management”, 2022
Teaching Assistant, Economics Department (SAIS) Risk Analysis and Modeling, Spring & Fall 2018

SERVICE

IOP Outstanding Reviewer Award 2025
Scholars Promoting Academic Responsibility in Sustainability (SPARS), 2025 – present
Decision-Making Under Deep Uncertainty, Latin America and Caribbean regional working group, 2024- present
IOP Trusted Reviewer 2024
Student representative, Doerr School Sustainability Accountability Committee, 2024
Graduate Student Council, Doerr School of Sustainability Representative, 2023-2024
Student representative, “Exploring Diverse Perspectives on U.S.-China Relations,” October 2023
Diversity Equity and Inclusion liaison, Doerr School of Sustainability, 2022-2023

MEDIA & PUBLIC ENGAGEMENT

Bloomberg Green. “Climate Risk Threatens Credit Ratings for Dozens of Countries.” ([link](#))
NBC. “New study targets past flooding as key to helping property owners assess climate threats.” ([link](#))
Invited panelist, “California Youth Agenda Conference,” Commonwealth Club World Affairs, April 2025
Moderator. “Voices of Impact: Joyful and Collaborative Approaches to Sustainable Communities” sponsored by Haas Center for Public Service, January 2024.
Moderator. “Bonds with Impact” session, [CFA Society Boston Sustainable Investing Seminar](#), November 2019.
Invited speaker. “*New EU taxonomy helps investors, companies identify green investments.*” S&P Global Podcast. August 2019.

LANGUAGES & SKILLS

Languages: Korean (Native), Mandarin (Proficient, HSK6)

Skills: R, Python, Excel VBA, STATA, QGIS, ArcGIS

Certificates: Camino de Santiago—Camino Francés (2016); Associated Board of the Royal Schools of Music (ABRSM) Grade 8, Piano and Violin