

Charles A Taylor

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EDUCATION

Columbia University

Ph.D. Candidate, Sustainable Development (Expected) 2022

Primary field: Environmental economics

Secondary fields: Health economics, Agricultural economics

University of Virginia

B.A., Economics; B.A., Political & Social Thought, High Distinction 2007

WORKING PAPERS

“[Cicadian Rhythm: Insecticides, Infant Health and Long-term Outcomes.](#)” (Job Market Paper)

“[Wetlands, Flooding, and the Clean Water Act.](#)” Working Paper (with Hannah Druckenmiller).
Presented at NBER Environment and Energy Economics Program Meeting, 2021.

“[Fertilizer and Algal Blooms: A Satellite Approach to Assessing Water Quality.](#)” NBER Risks in
Agricultural Supply Chains, Book Chapter (with Geoffrey Heal), forthcoming.

“Irrigation and Climate Change: Long-run Adaptation and its Externalities.” Working Paper.

“Tipping point dynamics in global land use.” Working Paper (with James Rising).

PUBLICATIONS

“[Market Expectations of a Warming Climate.](#)” *Journal of Financial Economics* (with Wolfram Schlenker), 2021. Coverage in *The Economist*, *WSJ*, *Bloomberg*, *VOXeu*, *Brookings*, *Reason*.

“[Livestock Plants and COVID-19 Transmission.](#)” *Proceedings of the National Academy of Sciences* (with Christopher Boulos and Douglas Almond), 2020. Coverage in *New York Times*, *Bloomberg*, *Washington Post*, *Politico*, *ProPublica*.

“[Violent conflict exacerbated drought-related food insecurity between 2009 and 2019 in sub-Saharan Africa.](#)” *Nature Food* (with Weston Anderson, Sonali McDermid, Elisabeth Ilboudo-Nébié, Richard Seager, Wolfram Schlenker, Fabien Cottier, Alex de Sherbinin, Dara Mendeloff, and Kelsey Markey), 2021.

TEACHING

Columbia University, Instructor 2021

SUMA PS4190 Economics of Sustainability Management (Master’s)

Fordham University, Adjunct lecturer 2019 – 2021
ECON 3850 Environmental Economics (undergraduate)

City College of New York, CUNY, Adjunct lecturer, 2018 – 2021
SUS 7400C Economics of Sustainability (Master's)
ECO B9526 Economics of Environment and Natural Resources (Master's)

Columbia University, Teaching Assistant 2017 – 2021
ENVP U8213 Economics of Environmental Policy (Master's)
SDEV UN2300 Challenges of Sustainable Development (undergraduate)
Microeconomics I and II – Topics in Policy-Oriented Microeconomics (Master's)

PRESENTATIONS

- 2021 NBER Environment and Energy Economics Program Meeting
NBER Risks in Agricultural Supply Chains Meeting
Northeast Workshop on Energy Policy and Environmental Economics
AERE Summer Conference
AERE@EEA
WEAI Annual Conference
- 2020 Climate Economics Workshop (UC Berkeley)
- 2019 Heartland Environmental and Resource Economics Workshop (University of Illinois)
Occasional Workshop on Environmental and Resource Economics (UCSB)
Center for Environmental Economics and Policy (Columbia University)

PROFESSIONAL (NON-ACADEMIC)

The Earth Partners LP, Director of Business Development 2010 – 2016
Co-founder of company that develops, owns, and manages wetland mitigation banks, as well as solutions for marginal and degraded lands to rebuild soils, water resources, habitat, terrestrial carbon, and ecosystem functions. Raised \$20+ million in equity for projects.

Bill & Melinda Gates Foundation, Consultant 2009
Structured program to lower the retail price of a key agricultural input commodity in several sub-Saharan African countries with a focus on sustainable input application for smallholders. Developed supply chain interventions and created a financing consortium to make targeted debt investments, and coordination of suppliers, importers, and distributors.

McKinsey & Company, Business Analyst 2007 – 2009

Bank of America Merrill Lynch, Intern (fixed income trading)

2006

OTHER

Drylands Natural Resources Centre, Mbumbuni, Kenya

2007 – present

Co-founded farmer co-operative that utilizes sustainable farming practices to increase agricultural yields and restore dryland ecosystems. Current membership of 1,000 farming households (6,000 people), 90% women-led. Over 1 million trees disseminated at cost of \$10 per person and \$0.10 per tree planted. Tree nursery with 20-plus native species (400,000 sapling capacity) and six employees.