



Sumin Wang

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Consultant*

San Francisco, CA

Ms. Wang joined E3's Distributed Energy Resources (DER) group in 2019, where she helps utilities, developers, system operators, and state agencies solve challenges related to renewables integration. Her work focuses on modeling and analyzing the economics of renewables to achieve carbon reduction goals and improve system resiliency. She brings international experience from China and Africa and technical skills in Python, ArcGIS, R, Stata, and Excel. Ms. Wang holds a Master of Environmental Management from Duke University and double B.S. degrees, in Management Science and Earth Sciences, from the University of California, San Diego.

ROCKY MOUNTAIN INSTITUTE *Intern*

Basalt, CO
June 2019 – August 2019

- Led the development of a community-based optimization model in Python to identify the least-cost strategies to electrify unelectrified villages in Nigeria and Ethiopia

DUKE UNIVERSITY *Teaching Assistant*

Durham, NC
January 2019 – April 2019

- Held office hours; graded assignments for Dr. Luana Lima on *Time Series Analysis*

WALMART GLOBAL SOURCING & ENVIRONMENTAL DEFENSE FUND *EDF Climate Corps Fellow*

Shenzhen, China
June 2018 – August 2018

- Modeled and identified up to 16.7 million metric tons of CO₂ reduction potential by improving energy efficiency of household appliances
- Coauthored a report on technology options to improve energy efficiency of seven categories of electric appliances sourced by Walmart
- Measured CO₂ emission reduction achieved by Walmart Global Sourcing since 2015, and provided revising feedback to the accounting methodology of Project Gigaton

DUKE UNIVERSITY *Graduate Student Researcher*

Durham, NC
August 2017 – April 2019

- Led a team to design an ArcGIS Online application for microgrid developers to identify potential markets in Zambia
- Interviewed key energy stakeholders to understand challenges faced to increase electrification rate in Zambia (visited August 2018)
- Conducted systematic literature reviews and coded 4400 papers on energy access
- Researched import tariffs and analyzed data of off-grid solar home systems in East Africa

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Research Assistant

La Jolla, CA

November 2015 – January 2017

- Research Assistant to Dr. Richard Carson on the impacts of carbon tax on cement prices
- Research Assistant to Dr. Yuyan Shi on factors influencing marijuana usage in the United States

Education

Duke University

M.E.M., Energy and the Environment

Durham, NC

2019

University of California, San Diego

B.S., Management Science (Distinction)

B.S., Earth Sciences (Summa Cum Laude)

La Jolla, CA

2017

2017

Citizenship

China