Jonathan Huster

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Summary

I am a current Master's candidate at Stanford University in the Energy Resources Engineering program. I graduated from Washington University in St. Louis with a B.A. in Physics and a minor in Energy Engineering. Before coming to Stanford, I worked as a research associate at the Pacific Northwest National Lab: Joint Global Change Research Institute (PNNL, JGCRI) looking at the intersection of energy, climate, and society. I am currently seeking internship positions for the summer of 2021 to use my data analysis and problem solving skills to help develop safer more sustainable decision making.

Education

WASHINGTON UNIVERSITY IN ST. LOUIS

Bachelor of Arts, May 2018 — St. Louis, MO
Major: Physics; Minor: Energy Engineering, GPA: 3.83/4.00, Dean's List
Related coursework:

- Probability and Statistics for Engineering
- Energy Conversion and Storage
- Ecological Economics (Environmental/Ecological Costs, System Leverage Points)
- Introduction to Environmental Policy (Environmental Costs, Practical Policies to Affect Change)

Stanford University

Master of Science, June 2022 — Palo Alto, CA
Program: Energy Resources Engineering

Leadership

Society of Physics Students (SPS) – *Member (2 hours/week)* — August 2015 – May 2018
Public Relations, Secretary, *Vice-President* — St. Louis, MO

- Orchestrated and directed events, such as student research presentations, experiment demonstration nights, and a professor Q&A regarding climate change

Professional Experience

Cornerstone the Learning Center — August 2015 – May 2018
Residential Peer Mentor – 6 hours/week — St. Louis, MO

- Selected among high achieving students to tutor all levels of Calculus (I, II, III) and introductory Physics
- Facilitate review sessions and field questions for 100-150 students before midterm exams

Joint Global Change Research Institute — August 2018 - August 2020
Post-Bachelor's Research Associate – 40 hours/week — College Park, MD

- Performed data analysis and script building in R focusing on work with the Global Change Assessment Model (GCAM)
- Developed new functionalities for the GCAM and vetted results to ensure match between intentions and results
- Updated clients about ongoing work and discussed future directions for experiments and papers

Projects

WashU - Energy Conversion and Storage

- Quantitatively compared GHG emissions from gasoline, electric, and hydrogen fuel cell cars
- Expressed conclusions through tables, graphs, and writings in succinct final report

WashU - Physical Measurements Lab

- Presented a summary of findings before an audience followed by a detailed, written technical report
- Created clear impactful figures to supplement written report and oral presentation

JGCRI - Nationally Determined Contributions (Emissions Constraints)

- Documented and automated the building of emissions constraints to work with our global economic model.
- Presented a poster at the annual GCAM meeting (approximately 150 participants) in College Park, MD