MIGUEL M. MORAVEC

www.miguelmoravec.com

Education

VANDERBILT UNIVERSITY   Nashville, TN
- M.S. in *Civil Engineering*   *Oct. 2022*
- B.A. in *Earth Science (Honors)* & *Communication of Science* with *Physics* Minor   *May 2018*

Professional Experience

ROCKY MOUNTAIN INSTITUTE
Senior Associate, Associate (promoted in 2023)   *Sept. 2022 – Present*
- Led the development of the Smarter MODES Calculator, an Excel-based tool which quantifies the emissions & public health benefit of expanding clean transportation choices.
- Co-developed and executed policy campaign strategies in 4 state advocacy coalitions advancing vehicle miles traveled reduction bills, managing diverse constituencies.
- Testified and briefed decision makers in US Congress, state legislatures, and the 'America Is All In' coalition regarding clean transportation strategy, finance, and emissions impact.
- Co-facilitated 5 month 'Clean Energy Academy' cohort program providing tech. assistance to 20 non-profit institutions leveraging federal incentives for clean energy projects.

VANDERBILT UNIVERSITY
Center for Transportation and Operational Resiliency Research Assistant   *July 2020 – Oct. 2022*
- Investigated impact of intermodal connectivity on energy supply chain resilience during disruptions with novel analysis of federal & crowd data for DHS published project. *R, ArcGIS*

U.S. ENVIRONMENTAL PROTECTION AGENCY via ORAU
Science Communication Associate, Nat'l Chemical Research Program   *Jun. 2019 – Jul. 2020*
- Devised & enacted digital outreach strategy for cross-matrix research & policy team. *Adobe*

NISSAN NORTH AMERICA via Kelly Services
Regional Consumer Affairs Specialist   *Aug. 2018 – Apr. 2019*
- Collaborated with regional personnel to develop & communicate client auto. Solutions.

Research Experience

COLUMBIA UNIVERSITY
STEMSEAS Research Program Mentor   *Aug. 2016 & Nov. 2021*
- Mentored student teams during 1,000 nm transits of Pacific Ocean aboard NSF vessels.
- Assisted in research curriculum development and generated outreach materials. *Adobe*

METRO GOVT OF NASHVILLE
Data Science for Social Good Fellow   *Jun. 2021 – Aug. 2021*
- Forecasted 5 years of construction debris generation under various waste management policies to inform pathways to city sustainability goals. Created data dashboard. *R, Python*

PRINCETON UNIVERSITY / NOAA
Geophysical Fluid Dynamics Lab - Global Climate Modeling Intern   *Jun. 2016 – Aug. 2016*
- Reduced processing time by 98% for North American Multi-Model Ensemble data tasks by developing scripts to automatically generate analysis & data visualizations. *Python, Linux*

Leadership & Honors

TOP PERFORMER: Earned highest performance rating for 2 consecutive years, RMI   *2023, 2024*
PRESIDENT: Rep'ed 2,000 students as elected leader of V.U. Grad. Student Council   *2022*
FOUNDER: V.U. Fossil Fuel Divestment Campaign, featured in CNN, WaPo   *2021*
CO-AUTHOR: Utilizing Agent-Based Modeling to Evaluate Operational Impacts of an Incident
and Possible Alternatives on U.S. Waterways, Transport. Research Board   *2020*

(+1) 410-991-2145   904 A St. SE
miguelmoravec@gmail.com   Washington, DC 20003