## MIGUEL M. MORAVEC

www.miguelmoravec.com

Education	
VANDERBILT UNIVERSITY	Nashville, Th
- M.S. in <i>Civil Engineering</i>	Oct. 2022
• GPA: 3.6/4	
<ul> <li>B.A. in Earth Science (Honors) &amp; Communication of Science with Physics Minor</li> <li>O GPA: 3.7/4</li> </ul>	May 201
Professional Experience ————	
ROCKY MOUNTAIN INSTITUTE	
	t. 2022 – Presen
- Led the development of the Smarter MODES Calculator, an Excel-based tool	
<ul> <li>quantifies the emissions &amp; public health benefit of expanding clean transpo</li> <li>Testified and briefed decision makers in US Congress, state legislatures, and All In' coalition regarding leading clean transportation policies and analysis</li> </ul>	the 'America Is
VANDERBILT UNIVERSITY	
	2020 – Oct. 2022
- Investigated impact of intermodal connectivity on supply chain resilience d	
disruptions with novel analysis of federal & crowd data for DHS published p	oroject. <i>R, ArcGI</i>
U.S. ENVIRONMENTAL PROTECTION AGENCY via ORAU	
	. 2019 – Jul. 202
- Automated appropriations reporting process for cross-matrix research & p	-
<ul> <li>Devised and enacted digital outreach strategy for Nat'l Chemical Research F</li> </ul>	
NISSAN NORTH AMERICA via Kelly Services	
	2018 – Apr. 2019
<ul> <li>Collaborated with dealership and regional personnel to develop and commu solutions to automotive clients. <i>Salesforce, Tableau</i></li> </ul>	inicate technica
Research Experience	
COLUMBIA UNIVERSITY	
	016 & Nov. 202
- Mentored student teams during 1,000 nm transits of Pacific Ocean aboard N	
- Assisted in research curriculum development and generated outreach mate	
METRO GOVT OF NASHVILLE	
	2021 – Aug. 202
- Forecasted 5 years of construction debris generation under various wasten	0
policies to inform pathways to city sustainability goals. Created data dashbo	•
	ara. n, r y thôn
PRINCETON UNIVERSITY / NOAA	
	2016 – Aug. 201
<ul> <li>Reduced processing time by 98% for North American Multi-Model Ensembl developing scripts to automatically generate analysis &amp; data visualizations.</li> </ul>	
Leadership & Honors	
<b>PRESIDENT</b> : Graduate Student Council, Vanderbilt University	202

<b>CO-AUTHOR</b> :	Utilizing Agent-Based Modeling to Evaluate Operational Impacts of an Incident		
	and Possible Alternatives on U.S. Waterways, Transportation Review Board	2020	
INDUCTEE:	Physics Honor Society, Sigma Pi Sigma, Vanderbilt University	2018	
MEDALIST:	Houston Public Speaking Competition, Vanderbilt University	2016	