

Miguel Marco Moravec

Science, Service, and the Pursuit of Happiness

Education



Vanderbilt University, Nashville TN

May 2018

- B.A. in *Earth and Environmental Science (Honors)* and *Communication of Science and Technology* with *Physics* Minor
- GPA: 3.7/4



United States Naval Academy, Annapolis MD

June 2013 – July 2015

- (*Inabsolutus*) GPA: 3.7/4

Work Experience

Science Communication Associate, **U.S. EPA** – Oak Ridge Assoc. Univ.

Jun. 2019 – Present

- Developed R scripts to automate product reporting for cross-matrix research & policy team.
- Devised and enacted digital outreach strategy for Nat'l Chemical Research Program. *Adobe*

Technical Consultant, **Vanderbilt V.E.C.T.O.R** Civil Engineering Institute

May 2018 – May 2019

- Developed R scripts to process AIS ship telemetry data into agent-based model of tug boat traffic as part of **U.S. Coast Guard** funded project. Co-author in pending publication. *R*

Regional Consumer Affairs Specialist, **Nissan North America** – Kelly Serv.

Aug. 2018 – Apr. 2019

- Collaborated with dealership and regional personnel to develop and communicate technical solutions to clients requesting automotive assistance. *Salesforce, Tableau*

Lab Intern, **Princeton Univ. NOAA** Geophysical Fluid Dynamics Lab

Jun. 2016 – Aug. 2016

- Programmed scripts to automatically generate analysis of output data for the North-American Multi-Model Ensemble. Reduced task processing time by 98%. *Python, Linux*

Marketing and Outreach Assistant, **Vanderbilt LifeFlight**

Sept. 2015 – Jun. 2019

- Directed and edited 5 film projects, collaborating with EMS flight crews. *Adobe Suite*
- Contributed 8,000 records and evaluation summaries to outreach database. *Redcap*

Midshipman, **U.S. Navy**

Jun. 2013 – July 2015

- Served as officer in training aboard USS Jason Dunham, USS Rhode Island, and USS Anzio while completing coursework in naval science and military leadership at US Naval Academy.

Research Experience

Honor's Thesis, **Vanderbilt** Institute for Smart City Oper. Research

Sept. 2017 – May 2018

- Investigated gentrification patterns in Nashville by performing linear regression analysis on demographic and real estate big data. Created interactive website. *R, Python, HTML, CSS*

Paleoclimate Directed Study, **Vanderbilt University**

Sept. 2016 – May 2017

- Prepared stalagmite samples from TN cave system for isotopic analysis in laboratory.
- Deployed sensors and assisted with data retrieval in demanding cave environment.

STEMSEAS Program, **Columbia University**

August 2016

- Studied oceanographic research operations aboard R/V *Sikuliaq* during 1500 nmi survey.

Awards

- Student Marshal and Dean's Advisory Council Appointee, College of A&S, Vanderbilt Univ.
- Student Innovation Awardee, Vanderbilt Institute for Digital Learning (\$250 prize)
- Houston Public Speaking Competition Medalist, Vanderbilt University (\$200 prize)
- Physics Honor Society, Sigma Pi Sigma, Member, Vanderbilt University

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