

NADIA FLOREZ MORCOTE

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EDUCATION

The University of Texas at Austin

May 2021

Master of Science, Information Technology & Management

Coursework Includes: Cognitive Computing, Advanced Data Mining & Web Analytics, User Generated Content Analytics, Big Data & Distributed Programming, Advanced Programming & App Development

University of Colorado Denver

May 2016

Master of Arts, Economics

University of Colorado Boulder

May 2013

Bachelor of Science, Economics and Applied Math minor

EXPERIENCE

Center for Transportation Research, UT Austin – Research Fellow

2017 - 2019

- Automated processes to clean integrate, visualize, and analyze 10 large GIS datasets to deliver high quality data products, including reports and interactive web applications
- Leveraged PostgreSQL, Python and R to automate end-to-end processes
- Evaluated databases for optimization of system performance
- Documented thoroughly end-to-end technical details in Markdown and Git
- Collaborated with traffic engineers to define customer needs and end-use experience
- Refined written, oral and visual communication to describe quantitative methods succinctly
- Established data storage and archiving initiative for Austin Transportation Department, researching technology and industry developments, tools and trends to recognize best practices (NoSQL databases, AWS capabilities)
- Developed key recommendations on transit system for the University of Texas Southwestern by developing transportation domain knowledge working with geospatial data
- Refined project and self-managing skills to deliver integral project goals

Think Dream Tank – Advisory Board member

2013 - 2016

- Established structure to founder's vision to execute clear deliverables with a team of 5 individuals
- Gained nonprofit status through the Rocky Mountain Peace Institute
- Proposed 3 grants: Making All Voices Count (2014), John Templeton Foundation (2015, 2016)
- Strengthened written communication skills to share ideas concisely

ACADEMIC PROJECTS

MA Capstone – “The impact of marriage equality legalization on the mental health of young males”

Spring 2016

- Presented novel research employing econometric inference, implementing statistical methods with Python and R
- Employed longitudinal data for 50 states from 2000 - 2014 to show a negative and significant (plausibly causal) correlation between marriage equality and mental health

TECHNICAL SKILLS

- Computer Software: MS Word, Excel, PowerPoint, Access, PostgreSQL, mongoDB, Git
- Computer Languages: R, Python, SQL, Markdown

ADDITIONAL INFORMATION

Languages: Spanish fluency

Interests: hiking, camping, travel

Work Eligibility: Eligible to work in the U.S. with no restrictions