

Matthew M. Harding

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EDUCATION

Georgetown University

Master of Science: Data Science and Analytics
GRE: Quant: 163, Verbal: 159

Fall 2022

Georgia Institute of Technology

Bachelor of Science: Mechanical Engineering
Graduated with Honors

Spring 2019

EXPERIENCE

Govini – Data Analyst

2022-Present

- Performing in-depth analysis & presenting insights through engaging visualizations to solve a variety of client's toughest problems
- Developing new analytics customized to client's needs & transforming those into platform wide analytics
- Integrating a wide range of client & sourced external data to internal data to enhance the value of the analysis to the client
- Writing & improving upon code for repeatable tasks using Python, R, & SQL

Georgetown – Data Science Bootcamp & Statistics TA

Fall 2022

- Answering questions & helping new data science students prepare for their first semester in the Data Science Master's Program
- Offering detailed feedback & grading assignments & presentations for students

Naval Academy – Leadership Research Intern

Summer 2022

- Cleaning & wrangling raw survey datasets for future analysis
- Completing exploratory & confirmatory factor analyses for different instruments for studying leadership properties
- Performing statistical analyses to quantify improvements in leadership skills for students who went through training

Northrop Grumman – Equipment & Facilities Engineer

2019-2021

- Managing facilities projects in Northrop Grumman buildings & labs to support business functions
- Collaborating with vendors to implement complicated & custom lab designs
- Solving delays & budget issues in weekly progress reports to management
- Influencing team design reviews to optimize designs & scheduling for multi-million-dollar projects
- Leading the re-installation of equipment as a part of a project team strategically relocating a whole lab

Northrop Grumman - Equipment Engineering Intern

Summers 2017, 2018

- Leading the demolition & rerouting of piping as part of \$50 million building renovation
 - Developing preventive measures & processes to limit future equipment breakdowns by analyzing data of equipment downtime
 - Managing moves, installations, & upgrades for valuable equipment within labs
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SKILLS

Programming: Python (Pandas, NumPy), R (Tidyverse), SQL, AWS, Azure, TensorFlow, PyTorch, Keras, Javascript, HTML, MATLAB, Django

Modeling & Machine Learning: Regression Methods, Dimension Reduction, Unsupervised Learning, Decision Trees, Naïve Bayes, SVM, Neural Networks, Network Analysis, EFA/CFA

Visualization: ggplot2, Matplotlib, Seaborn, Plotly, Leaflet, R Shiny

Other Skills: Data & Digital Storytelling, Programmatic Reporting, GitHub, Technical Writing, Presenting

Affiliations: Lambda Chi Alpha, American Society of Mechanical Engineers, Student Alumni Association

LEADERSHIP & ACCOMPLISHMENTS

Honorable Mention – Cherry Blossom Peak Bloom Prediction Competition ([Link](#))

2022

BRAVO NGC Recognition for Excellent Performance

2020

United States Security Clearance – Secret

2018-2024

Athletics Chair for Lambda Chi Alpha

Spring 2017 – Fall 2017

References: Jeff Park: jeff.park@govini.com (818)-912-7447 (Current manager, please ask before contacting)
Celeste Luning: luning@usna.edu (410)-293-6077
Jack Leek: Jack.Leek@ngc.com (443)-812-6391