Matthew M. Harding

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EDUCATION

Georgetown University *Fall 2022*
Master of Science: Data Science and Analytics
GRE: Quant: 163, Verbal: 159

Georgia Institute of Technology *Spring 2019*
Bachelor of Science: Mechanical Engineering
Graduated with Honors

EXPERIENCE

Naval Academy – Leadership Research Intern *Present*
· Cleaning and 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

Georgetown – Data Science Bootcamp TA *Present*
· Answering questions & helping new data science students prepare for their first semester in the Data Science Master's Program
· Offering feedback and grading assignments for students

Northrop Grumman – Equipment & Facilities Engineer *2019-2021*
· Managed facilities projects in Northrop Grumman buildings & labs to support business functions
· Collaborated with vendors to implement complicated and custom lab designs
· Solved delays and budget issues in weekly progress reports to management
· Influenced team design reviews to optimize designs and scheduling for multi-million-dollar projects
· Took lead on 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*
· Led the demolition and rerouting of piping as part of $50 million building renovation
· Developed preventive measures and processes to limit future tool breakdowns by analyzing data of tool downtime
· Managed moves, installations, and upgrades for valuable equipment within labs

Shumate Mechanical – Sales Engineering & Drafting Intern *2016-2017*
· Drew graphical interface layouts for integration with HVAC automation systems
· Estimated and proposed work scopes and costs for construction jobs ranging from $25k - $500k
· Engaged with vendors and customers to build relationships and solve project related issues

SKILLS

Programming: Python (Pandas, NumPy), R (Tidyverse), Javascript, HTML, MATLAB, Django
Modeling & Machine Learning: Classification Regression, Lasso, Ridge Regression, Dimension Reduction, Unsupervised Learning, Decision Trees, Naïve Bayes, SVM, Neural Networks, Network Analysis, EFA/CFA
Visualization: ggplot2, Matlibplot, 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 *2018-2021*

Athletics Chair for Lambda Chi Alpha *Spring 2017 – Fall 2017*

References: Celeste Luning: luning@usna.edu 410-293-6077
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Jack Leek: Jack.Leek@ngc.com (443)-812-6391