Resume – Leyli Garryyeva

Personal Information

Leyli Garryyeva
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Skills

Technical : Python, R, Scala, Hadoop, MapReduce, Spark, HTML, CSS, LATEX, Unix/Linux.
Quantitative : Probability, Statistics, Optimization, Math Modeling, Graph Algorithms, Data Wrangling, Data Visualization, Machine Learning, Linear Algebra, Multivariate Calculus.
Machine Learning Techniques : Regression analysis, classification, clustering techniques, time-series, reinforcement learning.
Languages : Russian, English, Turkmen.

Summary

A highly motivated graduate student with comprehensive mathematical modeling and analytical skills and a strong interest in statistical modeling, data science, and machine learning ; seeking a position where these skills will add greater value.

Education

M.S. in Computer Science, Computational Operations Research, *12/2019*
College of William and Mary (Williamsburg, VA)
Coursework : Applied Linear Regression, Big Data, Data Mining, Database Management, Network Optimization, Probability, Simulation and Modeling

Master of Public Policy, International Development Policy, *2017-2018*
College of William and Mary (Williamsburg, VA) Completed 19 credit hours

B.S. in Mathematics, minors in Economics and Finance *05/2017*
Wingate University (Wingate, NC)

Experience

Instructor | Summer Immersion Program, Girls Who Code, Charlotte, NC *Summer 2019*
- Worked towards closing the gender gap in technology by leading instructions for a group of 20 high school girls with no prior coding experience
- Assessed students′ progress in learning Python, Data Science, Web Development, and Robotics
- Helped students develop five final projects and gain hands-on experience writing code

DrivenData Challenge | Data Mining the Water Table, William & Mary *Spring 2019*
- Trained multinomial logistic regression, K-nearest neighbors (KNN), and random forest classification models, achieving 73%, 76%, and 81% test accuracy rates respectively
- Used R to clean and analyze data for further feature selection to increase prediction accuracy
- Collaborated with other team members through GitHub for a class project

Network Location Theory | Period Project, William & Mary *Spring 2019*
- Worked as a team to develop a network-based solution to a problem of selecting optimal locations for feminine hygiene product dispensers on William & Mary campus
- Applied various network location models to help improve current location plans to cover more on-campus demand and reduce the average walking time

Intern, Eurasia Foundation, Washington, DC *Summer 2018*
- Prepared Google Analytics and social media data reports to evaluate business performance metrics
- Engaged in team-oriented projects to help nonprofits improve outreach and impact by utilizing data
- Conducted research and presented recommendations to senior staff members

Women′s Rights Progress Research Assistant, Wingate University *Summer 2016*
- Examined the effecacy of an international treaty in promoting women′s rights using R
- Assisted in performing an empirical analyses using time-series cross-sectional data
- Paper presented at the 2016 American Political Science Association's annual meeting, Philadelphia, PA

Activities

Volunteer Community Math Tutor (weekly), Williamsburg, VA *01/2018-present*
Graduate Assistantship, William & Mary, VA *08/2017-present*
Three Minute Thesis Competition, William & Mary, VA *10/2018*
Viz-a-thon Virtual Data Visualization Contest, William & Mary, VA *09/2018*
BB&T Scholars Program, Wingate, NC *08/2015-05/2017*
Model United Nations Club Founder and President, Wingate, NC *10/2014-05/2017*