Leyli Garryyeva

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Summary

Experienced data scientist with a strong foundation in data analysis, machine learning, and statistical modeling. Eager to make meaningful contributions to cutting-edge projects in advancing Machine Learning and AI applications.

Skills

Technical: R, Python, SQL, Power BI, Tableau, MS Excel, Jira, Trello.
Languages: English (fluent), Russian (native), Turkmen (native).

Education

Ph.D. in Computer Science | **College of William & Mary** | Williamsburg, VA | Expected: 2029
M.S. in Computer Science | **College of William & Mary** | Williamsburg, VA | 12/2019
B.S. in Mathematics | **Wingate University** | Wingate, NC | 05/2017

Professional Experience

Holland America Line, Data Scientist, Seattle, WA   04/2021 - 09/2023
- Developed predictive models, including customer churn prediction and demand forecasting, to guide product improvements and marketing strategies.
- Effectively communicated data-driven recommendations to cross-functional teams and stakeholders, emphasizing the impact on product development.
- Designed a data-driven product strategy that led to a revenue increase of $1 million within two months of implementation.
- Initiated a cross-team effort to implement a product strategy that resulted in over a 100% increase in demand for a new luxury product.

Microsoft, Software Engineer - Contractor, Redmond, WA   06/2020 - 04/2021
- Worked as a contractor for Quadrant Resource during my time at Microsoft, bringing valuable expertise to the development and improvement of the Azure Databricks platform.
- Led feature testing efforts in an agile setting before the general availability of the product, ensuring the product met quality standards and user requirements.
- Utilized Kusto Query Language (KQL) to perform data analysis for root cause identification and more efficient triaging of the reported problems within Azure Databricks applications.
- Collaborated with cross-functional teams to investigate and resolve complex technical issues, ensuring minimal service downtime and optimal performance.
- Successfully reduced triaging time by 30% by applying data analysis techniques.
- Played a pivotal role in the development of documentation for the Azure Databricks platform and provided technical guidance to team members in the area of root cause analysis.

Seabourn Cruise Line, Data Scientist, Seattle, WA   03/2020 - 06/2020
- Created and deployed evaluation methodology in a highly dynamic environment to ensure demand forecast accuracy, resulting in a 72% error reduction.
- Performed deep-dive analyses to understand customers and operations. Built clear and easy to understand dashboards in R and Tableau to highlight newly identified patterns and trends.
- Presented results to the team and management influencing the strategy of product pricing.

Projects & Research

AidData, Graduate Research Assistant, Williamsburg, VA   8/2017 - 5/2018
- Evaluated the impact of foreign aid on recipient countries by performing data analysis using R and geospatial tools (QGIS) on a large quantity of international development data.

Wingate University, Research Assistant, Wingate, NC   6/2016 - 8/2016
- Executed a statistical analysis of the effect of an international treaty on women's rights.
- Cleaned, manipulated, analyzed, and visualized data using R.

Activities

Graduate Teaching Assistant (Programming in Python), Williamsburg, VA	*9/2023 - present*
Mentor with **Minds Matter Seattle**, Seattle, WA	*08/2021 - 08/2022*
Instructor at **Girls Who Code**, Charlotte, NC	*06/2019 - 08/2019*
Model United Nations Club Founder and President, Wingate, NC	*10/2014 - 05/2017*