

LEYLI GARRYEVA

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EDUCATION	College of William & Mary Ph.D. in Computer Science. GPA: 3.95 <i>Coursework:</i> Deep Transfer Learning, Deep Learning, Algorithms, Autonomous Driving.	Williamsburg, VA <i>Expected: 05/2027</i>
	College of William & Mary M.S. in Computer Science	Williamsburg, VA 12/2019
	Wingate University B.S. in Mathematics, Minors in Economics and Finance	Wingate, NC 05/2017
RESEARCH INTEREST	My research focuses on interpretability of AI models designed for software engineering tasks. I am interested in improving the trustworthiness and reliability of AI systems that empower developers in code-related tasks while ensuring quality and minimizing risks in software development.	
SKILLS	Technical: Python, R, SQL, Power BI, Tableau, MS Excel, Jira, Trello, Github, PyTorch. Languages: English (fluent), Russian (native), Turkmen (native).	
PROFESSIONAL EXPERIENCE	Holland America Line , Data Scientist , Seattle, WA <i>R, SQL, Snowflake, Jira, Github, Machine Learning, Data Mining, Time Series Forecasting</i> <ul style="list-style-type: none">Developed machine learning models, including customer churn prediction and demand forecasting, to guide product improvements and marketing strategies.Initiated a cross-team effort to implement a product strategy that resulted in over a 100% increase in demand for a new luxury product and led to a revenue increase of \$1 million within two months.	04/2021 - 09/2023
	Microsoft , Software Engineer - Contractor, Redmond, WA <i>Azure Databricks, KQL, Software Testing, Technical Writing</i> <ul style="list-style-type: none">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.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.	06/2020 - 04/2021
	Seabourn Cruise Line , Data Scientist, Seattle, WA <i>R, SQL, Oracle, Tableau, Jira, Data Visualization, Data Mining, Time Series Forecasting</i> <ul style="list-style-type: none">Created and deployed evaluation methodology in a highly dynamic environment to ensure demand forecast accuracy, resulting in a 72% error reduction.Implemented and refined supervised and unsupervised machine learning models in R to predict consumer behavior and improve price personalization.	03/2020 - 06/2020
	Pre-Post LLM Evaluation in Software Engineering , William & Mary	09/2024 - present
	Towards Neurosymbolic Program Comprehension , William & Mary	10/2024 - present
PROJECTS & RESEARCH	Causal Inference Data Analysis for Source Code , William & Mary	06/2024 - present
	Domain Adaptation for Image Segmentation , William & Mary	02/2024 - 05/2024
	Evaluation of Bugs in Software Defined Vehicles , William & Mary	9/2023 - 12/2023
	AidData , Graduate Research Assistant, Williamsburg, VA	8/2017 - 5/2018
	Wingate University , Research Assistant, Wingate, NC	6/2016 - 8/2016
ACTIVITIES	Computing Research Association (CRA) Grad Cohort for Women	04/2024
	Society of Women Engineers (SWE)	10/2023 - 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