LEMARA WILLIAMS

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EDUCATION

Virginia Polytechnic Institute of Technology, Blacksburg, VA **Expected May 2024**
Master's of Science, Computer Science

- **Teaching Assistant:** Professionalism in Computing (Fall 2022), Data Matter (Spring 2023)
- **Relevant Courses:** Information Visualization, Advanced Machine Learning, Natural Language Processing

Amherst College, Amherst, MA **Graduated May 2022**
Bachelor of Arts, Music & Computer Science **GPA: 3.7/4.00, Summa Cum Laude**

- My thesis in music, Genre Technicalities, was awarded the Mishkin Prize for producing the best senior thesis on a critical or compositional music topic.
- **Relevant Courses:** Data Structures, Introduction to Machine Learning, Probability and Computing, Computer Systems, Algorithms, Theoretical Foundations of Computing
- **Activities:** Amherst College Computer Science Club (Director of Marketing, August 2020-2022), Dance and Step at Amherst College (August 2018-2022, Media Coordinator 2020-2021, Company Manager 2021-22), Remnant Black campus Ministry (Treasurer, August 2019-2022)

Broward College, Davie, FL **Graduated May 2018**
Associate of Arts **GPA: 3.86/4.00**

- Graduated with Highest Honors

RELEVANT EXPERIENCE

IBM Research, IBM, Yorktown Heights, NY **May 2023 – August 2023**
Software Performance Analyst Intern

- Identified where explainability can be added to sub-sequence clustering techniques for ease of end-user interpretation
- Investigated the periodicity of features and their seasonality to establish timetables of activity

IBM Research, IBM, Yorktown Heights, NY **May 2022 – August 2022**
Software Development Research Intern

- Working on an AI Infrastructure Optimizer extension to identify zombies in the cloud, or workloads with a nonproductive status
- Identifying characteristics of a nonproductive status for a workload in the cloud and building a machine learning workflow for classification

Brown ExploreCSR **January 2022 – May 2022**

- Paired with Dr. Daniel Ritchie and Kai Wang for guidance through a semester-long research project
- Worked on the classification of point clouds using BuildingNet, a large-scale dataset of 3D building models, to see how well they perform
- Presented my findings at the Brown CS Undergraduate Research Symposium in May 2022

Johnson & Johnson, Janssen Pharmaceuticals, Raritan, NJ **June 2021 – August 2021**
Advanced Computing Intern

- Supported various advanced computing projects in Global External Innovation Analytics and Open Data Science Lab
- Evaluated current data lake infrastructure and improvements with AWS Step Functions along with implementation steps
- Enhanced and created Tableau dashboards to enable in-depth analysis of infrastructure costs on a project, user, and organization level over time
- Used JavaScript to assist with the development of a RESTful API for client-server calls for clients outside of the company's firewall

RELEVANT SKILLS

- **Programming Languages:** Java, Python, LaTex, HTML/CSS, MySQL, D3, Javascript
- **Software:** Linux, Kubernetes, Tableau, Jupyter Notebooks, MATLAB, NumPy, Pandas, Scikit-Learn, Microsoft Office