

Leah Prince

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Summary

Analytical professional with a Computer Science educational background and professional experience encompassing data analytics, research, and financial operations in regulated environments. Seeking data-driven roles that leverage analytics, enhance data quality, and operational efficiency to reduce manual processes and improve business systems.

Technical Skills

PROGRAMMING LANGUAGES: Python, SQL, Java

DATA SCIENCE: pandas, numpy, scikit-learn, Matplotlib, NetworkX, plotly, seaborn

REPORTING: Power BI, Alteryx, Advanced Excel

TOOLS: Git, Linux

Professional Experience

OPERATIONS ANALYST I

7/2025 – PRESENT

MORGAN STANLEY, BALTIMORE MD

- Process and reconcile financial transaction data related to syndicated loan servicing and co-lender activity, ensuring accuracy and adherence to internal controls across multimillion dollar portfolios
- Contribute to Power BI reports and Alteryx workflows used for cashflow monitoring and reporting efficiency
- Support compliance and audit activities by validating data, maintaining documentation, and responding to information requests

UNDERGRADUATE INFORMATICS RESEARCHER

6/2023 – PRESENT

UMBC DEPT OF INFORMATION SYSTEMS, BALTIMORE MD

- Implemented data representation methods on multidimensional patient ICU data using Python to reduce analysis time by 25%
- Effectively communicated research methods and results to non-technical and technical audiences through poster presentations
- Designed and implemented relational database schemas in PostgreSQL to structure and store patient data.

DATA ANALYTICS RESEARCH INTERN

5/2024 – 7/2024

OLD DOMINION UNIVERSITY, NORFOLK VA

- Developed a web scraping script to extract and organize Instagram account details from accounts known for disinformation from web archives into DataFrames using Python
- Created interactive visualizations to analyze social networks using plotly and highlight similarities in user engagement using k-means clustering
- Authored a technical report and effectively presented results to professors using PowerPoint

Computing Projects

WEB PAGE CAPTURE PROCESSOR | OLD DOMINION UNIVERSITY

6/2024 – 7/2024

- Project from National Science Foundation (NSF) sponsored site and repo located at <https://github.com/leahp21/reu-work>.
- Retrieves all available web page captures for a given Instagram link, scrapes content from each capture, and stores the follower count, hashtags, and mentions in a time-structured DataFrame using Python

Education

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY (UMBC)

MAY 2025

Bachelor of Science, Computer Science

GPA: 3.61 / 4.0

Honors:

Center for Women in Technology (CWIT) Scholar; Peer Mentor; Grand Challenges Scholar, 2024-2025
Undergraduate Research Award (URA), Community Service App Project Manager

Relevant Courses:

Data Structures, Statistics for Engineers and Scientists, Database Management Systems, Intro to Data Science, Intro to Artificial Intelligence