

# Jamari Williams

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## EDUCATION

### BACHELOR OF SCIENCE (B.S.) - COMPUTER INFORMATION SYSTEMS, DATA ANALYTICS

December 2024

*Towson University, Towson, Maryland*

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## SKILLS

**Languages:** R, C++, SQL, Java, Visual Basic, Python, HTML

**Soft Skills:** Efficiency, Collaboration, Low Maintenance, Attention to Detail, Critical Thinking, Brainstorming, Verbal/Oral Communication, Written Communication, Problem Solving, Transparency, Adaptability

**Software:** Tableau, Microsoft Office, Microsoft Excel, SketchUp

**Technical Skills:** Data Analysis, Data Visualization, Technical Writing, Data Entry, Statistical Modeling, Applied Linear Regression, Project Management, Statistics, Log Parsing, Data Development, Pathlib, Statistical Analysis, Abstract Thinking

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## Relevant Projects

### Baltimore Open Data Project

*Towson University, Towson, Maryland*

August

2022 - May 2023

- Collected and compiled data from the Baltimore Open Data database and analyzed datasets detailing opioid epidemic and vacant homes in Baltimore (cleaned and organized 5000+ rows of data collected using Microsoft Excel and R)
- Utilized R to create a linear regression model to identify if there is a strong correlation between these public health issues within Baltimore City, the model is visualized with a scatterplot graph and a regression line
- Created bar graphs using ggplot in R, visualizing the counts of zip codes and Community Statistical Areas (CSAs)
- Gained experiential learning using R for statistical analysis, statistical modeling, and data analysis

### Log Parsing Project

*Northwest Federal Credit Union, Herndon, Virginia*

July 2023

- Tasked with finding error lines in log files and categorizing the errors
- Monitored bulk data loads being done in airflow by parsing log files in different DAG runs
- Used Python to code a program that would parse through log files in directories and sub directories and parse out error lines
  - The python code counts each error type (task or job) and counts task type
  - The python code returns the file path of log files that contain error lines
  - The previous information was compiled and outputted to a text file for the Data Development team
- Pathlib library was used to iterate through each directory and sub directory and a nested for loop including if statements were used for data validation, counting errors, and printing file path

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## EXPERIENCE

### Data Analytics Intern

*Northwest Federal Credit Union, Herndon, Virginia*

June 2023 - August

2023

- Created a list of compiled reports for the Data Analytics and Operations (DAO) team
- Designed a report inventory page in SharePoint for the DAO website to be viewed by employees of NWFCU
- Constructed weekly reports on SEMrush using google analytics and SEMrush data

- Assisted the data development team with the implementation of Salesforce with data analysis and validation, loading and transferring data from Lodestar to Salesforce staging and application
- Analyzed the role types of member accounts using customer IDs that were either people or organizations
  - Created tables consisting of the number of each role type and the percentage of each role
- Analyzed the alert types of member accounts using customer IDs that were either people or organizations, and financial accounts
  - Created tables consisting of the number of each alert type and the percentage of each role
  - Created two tables that displayed the severity of the alert for member level alerts and account level alerts
- Worked on a log parsing project using Python and pathlib library

### **Undergraduate Student Researcher**

*Towson University, Towson, Maryland*

August

2022 - Present

- Researched and analyzed problems affecting Baltimore, used Baltimore Open Data to explore datasets that represented problems that were significant
- Focused on finding a correlation between the opioid epidemic and vacant homes
- Organized and summarized results using data visualization (ggplot) with R, created a count of the number of administered naloxone incidents in each zip code in the data, created a count of administered naloxone incidents in each Community Statistical Area (CSA) within Baltimore City
- Increased knowledge of public health issues and awareness of the correlation of these two problems.

### **OTHER RELVANT EXPERIENCE**

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#### **Administration Coordinator**

*Organized By JWC LLC., Annapolis, Maryland*

May

2021 - Present

- Operate social media that markets the business services and projects to prioritize clientele growth
- Correspond with clients to help create systems to streamline their homes
- Analyze account insights via Instagram to increase leads and traffic to generate revenue
- Utilize SEO to improve keywords on website generating greater traffic

#### **Volunteer (Supervisor)**

August

2021

*University Of Pittsburgh, Pittsburgh, Pennsylvania*

- Supervised volunteers during the arrival of on-campus University of Pittsburgh students
- Accounted for all volunteers and members of the volunteer team
- Assisted incoming students with procedures for move in process