

JALEEL DRONES-AKINS

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EDUCATION

University of Michigan – College of Literature, Art & Science

Ann, Arbor

Bachelor of Arts in Computer Science

Expected Graduation May 2027

Relevant Coursework: CALC I | Data Structures | STATS | Foundations of Programming | Python Programming for Sciences

TECHNICAL SKILLS

Programming Languages: HTML/CSS (Beginner) | Python (Intermediate) | SQL (Intermediate) | C++ (Intermediate)

Operating Systems: Windows 11 | MacOS

Tools & DevOps: Docker | Git/GitHub | CI/CD | Tableau | Microsoft Office Suite

PROFESSIONAL EXPERIENCE

Global Career Accelerator

Chicago, IL

Python & SQL Trainee

1/2025 - 6/2025

- Gained hands-on experience in SQL querying (**JOINS, subqueries**) and **Pandas** for statistical analysis processing 10,000+ rows to extract actionable insights
- Completed 5+ industry-relevant projects, demonstrating proficiency in data visualization, data cleaning, and storytelling utilizing Python (**Plotly, Matplotlib, Numpy**), SQL (**UNION, GROUP BY**), and Tableau
- Worked with a global team across time zones, conducting exploratory data analysis (**EDA**) to identify 3-5 actionable insights per dataset, including customer churn and seasonal sales trends.

University of Chicago

Chicago, IL

Data Science Assistant

6/2022 – 8/2022

- Developed and evaluated deep learning models for fish length estimation using image data, contributing to a system that helps automate seafood traceability and reduce manual errors.
- Analyzed and prepared a dataset of 1,491 labeled fish images; helped design training/validation/test splits and supported performance evaluation across multiple tasks.
- Contributed to a multi-task learning model that consolidated **four prediction tasks into a single model**, reducing model size by **70MB** and enabling deployment on low-resource hardware.

PROJECTS

The GRAMMYS Project - Website Audience Analysis | Python

5/2025

- Conducted in-depth analysis of web traffic data for The Recording Academy and Grammys.com using Pandas, NumPy, and Plotly Express, working with over 1,800 rows of daily session-level data
- Engineered custom performance metrics including pages per session, bounce rate, and average session duration, revealing that users on the Recording Academy site stayed 25% longer and bounced 7% less than on Grammys.com
- Merged age demographic data from separate CSVs using Pandas and grouped bar charts, revealing that Grammy.com attracts a younger audience (18–34), while Recording Academy.com skews toward older age groups (35+)

Intel Project - Data Analysis for Sustainability | SQL, Tableau

3/2025

- Authored SQL queries against 2,500+ rows of regional energy data—calculating net production, renewable vs. fossil trends, and plant-level joins—to power a set of 8+ Tableau visualizations.
- Recommended optimal data-center locations by ranking regions on net energy surplus and renewable percentage, highlighting the Northwest for its high clean-energy share and strong overall capacity

ACTIVITIES & LEADERSHIP

NATIONAL SOCIETY OF BLACK ENGINEERS (NSBE)

Membership Chair

3/2025 - Present

- Managed membership data for 100+ members using Excel, maintaining accurate records of chapter demographics and Participation Metrics

Social Committee Member

9/2024 - 3/2025

- Orchestrated event logistics, budgeting, and promotion with a 2 - 4-person team, optimizing a \$2,500 budget to deliver 8 successful annual events

Junior E-Board

8/2023-9/2024

- Facilitated the execution of efficient chapter meetings by providing comprehensive support to the Executive Board, enhancing member engagement by 20% through strategic meeting planning and execution

ADDITIONAL

Awards/Certificates: Intel Data Analytics | Jackie Robinson Foundation Scholar | JPMorgan Quantitative Research Job Simulation | SQL Specialist Certification, University of Michigan | Python Specialist Certification, University of Michigan