

JALEEL DRONES-AKINS

+1 (312) 539-3457 | jdrones@umich.edu | github.com/JaleelADA | linkedin.com/in/jaleelda1 | Chicago, IL 60637

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/II | 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

JPMorgan Chase

Chicago, IL

Data Science Fellow

6/2025 - Present

- Quantified NYC's affordable housing supply-demand gap by analyzing 188,000+ housing records and rent burden data (30%+ of income spent on housing), identifying a shortfall of 69,000 affordable units for households earning under 50% of Area Median Income (AMI), representing a \$13.9B investment gap at current construction costs.
- Programmed interactive geospatial platform using Kepler.gl, visualizing income-band targeting disparities across all five boroughs.
- Proposed a 5-tier policy framework addressing systemic AMI inequities and financing gaps, addressing geographic disparities, targeting inefficiencies, and incentive program gaps

Global Career Accelerator

Chicago, IL

Python & SQL Trainee

1/2025 - 6/2025

- Attained 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
- Collaborated 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

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)

1/2024 - Present

Membership Chair

3/2025 - Present

- Streamlined data tracking for events and recruitment through a centralized Google Sheets dashboard; managed records for 100+ members, maintaining accurate chapter demographics and participation metrics to inform board decisions

ADDITIONAL

Affiliations & Awards: Intel Data Analytics | Jackie Robinson Foundation Scholar | JPMorgan Quantitative Research Job

Simulation | SQL Specialist Certification, University of Michigan | Python Specialist Certification, University of Michigan | ColorStack