

Duaa Alzouby

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EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC

May 2026

Bachelor of Arts in Data Science

Minor in Geographic Information Science

EXPERIENCE

Ackland Art Museum

Chapel Hill, NC

Data Analyst

August 2025 – Present

- Apply optical character recognition and AI tools to digitize and structure scanned educational handouts.
- Organize and extract text and metadata into a searchable database to improve access to the museum's materials.
- Document data pipeline processes and provide recommendations for future database expansion and use.
- Leverage statistical and computational skills to enhance access to art-related educational resources.

American Statistical Association DataFest

Duke University

Winner: Best Insight

April 2025

- Analyzed leasing trends in the Financial Services & Insurance sector (2018–2024), focusing on Manhattan and Atlanta.
- Performed spatial analysis in QGIS using geocoded data (Python, OpenCage API) to map leasing clusters and trends.
- Built Excel and R (ggplot2) visualizations, including triple-line rent comparisons and stay/go bar charts.
- Awarded Best Insight for delivering the most actionable project; praised for GIS visualizations and storytelling.

UNC MSA Alumni Database Project

Chapel Hill, NC

Data Analyst

September 2024 – February 2025

- Collaborated on a comprehensive alumni database project with data spanning as far back as 1952.
- Normalized and organized historical alumni data to ensure compatibility with scripts and web scraping tools.
- Utilized LinkedIn to web scrape alumni information and input data into Proxi, creating an alumni network to foster professional connections for current students.
- Used Pandas, Matplotlib, Folium, RE, Spacy, Seaborn, Plotly Express to create data visualizations.

HackNC 2024

Chapel Hill, NC

Winner: Best Communication and Community Hack for Bandwidth

November 2024

- Co-developed UnityConnect, a digital platform supporting refugees and immigrants through real-time translation, resource directories, and cultural integration tools.
- Designed and integrated a user-friendly resource directory with mapping features to locate essential services.
- Collaborated with a team to implement an AI chat assistant for multilingual support for diverse users.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Academic Advisor, Ackland Art Museum- Chapel Hill, NC

UNC Student Government Executive Branch

September 2024 – May 2025

Provided student perspective and feedback to guide museum programming and outreach.

Daily Art

Art Text Translator

2022 – 2025

Translating English art texts into Arabic for Daily Art, an integrative art app that makes art history more accessible for global users.

ADDITIONAL INFORMATION

- Language Skills: Arabic (Native) | Spanish (Proficient) | Latin (Reading/Writing)
- Technical Skills: R | Python | Visual Basic | SQL | QGIS | ArcGIS | Tableau | Excel | SharePoint | AWS