# SYDNEY JOHNSON

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**Chicago, IL**

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## Education
Northwestern University — Bachelor of Arts, Communications, 2021

CareerFoundry — Data Analytics Certificate, 2024

## Skills
Data Profiling and Cleaning
Data Visualizations
Exploratory Data Analysis
Descriptive Statistics
Database Querying with SQL
Statistical/Predictive Analysis
Data Mining and Wrangling
Machine Learning
Optimizing Algorithms
Hyperparameters
Problem Solving
Storytelling with Data

## Tools
Excel
SQL
Tableau
Jupyter Notebooks
Python Libraries:
    Pandas, NumPy,
    Matplotlib, Seaborn,
    SciPy, Scikit-learn,

## Profile
Data analyst with a background in the performing arts and hospitality, skilled in creative problem-solving and communications. Eager to apply analytical expertise to uncover insights and drive efficiency in logistics and related industries.

## Projects
**Assessment of Machine Learning Tools for a European Nonprofit**
- Determine how supervised and/or unsupervised machine learning algorithms can assist a European nonprofit in predicting changes in climate
- Fit a large amount of climate data to a variety of machine learning algorithms, including classification-based supervised learning algorithms, unsupervised deep learning algorithms, and semi-supervised neural networks
- Evaluate the efficacy of the models by measuring their test accuracy

**Spotify Global Analysis: Exploration of Music Tastes by Geography**
- Compare the music tastes of different countries by conducting an analysis of Spotify's Top 50 Charts in each country it is available
- Perform k-means clustering to sort each track into one of eight groups based on metrics like danceability, acousticness, and tempo
- Observe the widespread global popularity of genres like English-language Pop (i.e., Sabrina Carpenter)  and Spanish-language Electronic (i.e., Bad Bunny)

**Addressing Business Questions for an Online Video Rental Company**
- Provide data-driven answers to assist a video rental company in determining their company strategy
- Query their relational database management system (RDBMS) using SQL to uncover trends in inventory, revenue, and customer demographics

## Experience
**Host, Giant; Chicago, IL — September 2023-October 2024**
- Implement reservation books using Resy at upscale restaurant with Michelin service award
- Maintain the highest level of customer service by assisting guests with their needs, running food, polishing silver, bussing tables, and checking coats
- Ensure guest satisfaction and uphold Giant's esteemed service reputation

## Other Work Experience
- **Caterer**, freelance, LouLou by Lula and others; Chicago, IL and Vineyard Haven, MA — June 2017-present
  - *Transferrable skills:* Readiness, observation, supporting coworkers
- **Theatre Director**, freelance; Chicago, IL — 2018-present
  - *Transferrable skills:* Team building, leadership, creative problem solving, storytelling, organization, conflict resolution