

# CHARLIE YARIS

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## Experience

### The Walt Disney Company, Chicago, Illinois

#### Data Engineer, Personalization & Experimentation

Dec. 2021 - Present

- Supporting the data pipeline that powers ESPN's recommendation engine with automation and data migration efforts.
- Delivering critical reporting metrics to executive management from custom websites built with Svelte.
- Using Svelte and D3.js to develop a JavaScript library of interactive data visualization chart components.
- Using Python to leverage the Adobe Analytics API and perform object-relational mapping for generating critical SQL queries.
- Building ETL pipelines involving Databricks, Apache Airflow, and Snowflake to populate relational and non-relational databases.

### Navarc, Chicago, Illinois

#### Data Engineer

Mar. 2021 - Dec. 2021

- Developed a chatbot using Python and several Google Cloud products to alert team members of data accuracy issues.
- Leveraged the Google Cloud API with Python to instantaneously launch/terminate SQL scripts.
- Wrote templated SQL queries within Google BigQuery to be onboarded with each new client.

### NinjaHoldings, Chicago, Illinois

#### Data Management Associate, Operations

Oct. 2019 - Feb. 2021

- Delivered weekly reporting metrics to the CEO as the primary SQL developer for the calling and communications center.
- Designed efficient pipelines and actionable dashboards using materialized views within a PostgreSQL data warehouse.
- Calculated critical performance metrics for 13 legal audits to maintain state lending licenses.

### Pain Specialists of America, Chicago, Illinois

#### Data Intern

Sep. 2019 - Dec. 2019

- Built dashboards using Microsoft Power BI to help doctors monitor patient and prescription trends.
- Wrote DAX expressions to process raw data into calculated columns and measures for Microsoft Power BI.

### HigherEducation.com, Seattle, Washington

#### Marketing Analyst

Feb. 2017 - Feb. 2018

- Leveraged PostgreSQL tools within pgAdmin to build target segments for 10 email marketing campaigns per week.
- Automated the marketing workflow with custom macro functions, increasing overall production by more than 100%.
- Delivered monthly quantitative reports to assess progress and set benchmarks for email marketing campaigns.

## Data Certifications

### Amazon Web Services (AWS)

#### AWS Certified Cloud Practitioner

Feb. 2021

- Acquired knowledge and skills to demonstrate a foundational understanding of Amazon Web Services (AWS).

### Metis

#### Data Science Bootcamp Certificate

Dec. 2018

- 12-week ACCET-accredited full-time course with a project-based curriculum.
- Underwent advanced training in Python, database management, statistics, and machine learning.

#### Applied Machine Learning & Artificial Intelligence Certificate

Aug. 2018

- 5-week ACCET-accredited course developing a practical understanding of fundamental machine learning algorithms.

### General Assembly

#### Data Analytics Certificate

Apr. 2017

- 10-week course developing advanced analytical skills using Microsoft Excel, PostgreSQL, and Tableau.

## Education

### Washington University in St. Louis Bachelor of Arts, May 2016

Major: Psychological & Brain Sciences  
Minors: Marketing, Music  
Dean's List Recipient

## Skills

**Business Intelligence Tools:** Adobe Analytics, Tableau, Microsoft Power BI  
**Cloud Computing Services:** Amazon Web Services (AWS), Google Cloud (GCP)  
**Coding Languages:** Python, JavaScript, SQL, HTML, Bash  
**Data Libraries:** D3.js, Chart.js, PySpark, Pandas, NetworkX, Numpy  
**Database Tools:** Snowflake, Apache Airflow, Databricks, Flyway, MongoDB, BigQuery  
**Web Frameworks:** Svelte, Node.js, FastAPI, Flask