

# Ja-Yuan Pendley

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Published Works: [My Portfolio](#)

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## EXPERIENCE

### Cyquent

September 2022- June 2023

#### Senior Business Analyst Consultant

- Facilitated weekly Agile "lunch and learns" for the BA and QA audience.
- Managed a process re-engineering project to improve and consolidate end-to-end service processes; restructured communication flow among 10 departments and cut down paperwork by 75%.
- Created data point gap analysis documents, meeting with system users, business, and key people from cross functional applications.
- Translate and simplify requirements for optimizing execution and outcomes.
- Develop business and technical requirements and review Requirements.
- Work with waterfall
- Automated the ETL data pipeline using Apache Airflow, python, and SQL.
- Collaborate directly with business stakeholders, clients, designers, developers, and engineers to ensure the applications are built according to specifications and delivered on schedule.
- Data Conversion
- Data Conversion from Access to Salesforce

### New York Institute of Technology

September 2021 – September 2022

#### Technical Senior Data Analyst- Part-Time Position

- Responsible to collect, clean, transforming, and validating data as a process to Obtain conclusions.
- Present data in the form of charts, graphs, and tables for immediate reference.
- Presents an analysis of all data to senior management.
- Developed highly accurate business reports and financial forecasting models using python, machine learning models, SQL and PowerBI for the Marketing and Data Science teams.
- Collaborated with stakeholder groups across the organization to ensure business and technology alignment.
- Coordinates with all key or authorized staff with the distribution of data analysis
- Coordinate with technical analysts, and before publishing client reports
- Monitors and organizes all client invoices for the purpose of accurate and timely billing procedures.
- Maintains and updates all data archives.
- Utilize data and technology to create positive change and help the business thrive.
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## PROFESSIONAL SKILLS

- 3 Years Tableau (intermediate) [Tableau Portfolio](#)
- 5 Years Plotly (intermediate)
- 3 Years Cloud Computing (AWS, Azure, etc.)
- 5 Years Statistical Analysis and Modeling
- 3 Years Neutral Network
- 5 Years Python, Java, C++
- 5 Years Data manipulation
- 3 Years SQL, MYSQL
- 4 Years Data Mining and Machine Learning
- 3 Years Database Administration
- 5 Years Data Scrubbing & Standardization
- 6 years Use of MS Suite and various other software.

# Ja-Yuan Pendley

- 6 Years Create and implement precise management plans with attention to transparent communication.
- 5 Years Collaborated with key personnel in analyzing business requests for feasibility and costs

## EDUCATION

- New York Institute of Technology - Master of Science, Data Science
- New York City College of Technology - Bachelor of Computer Systems Technology

## Project

### Airbnb Data Analysis

November 2022

- Performed correlation analysis, data visualization and k mean clustering, to uncover patterns and insights within Airbnb's open dataset.
- Visualized the analysis using Folium and Plotly
- App link: <https://rb.gy/muivu>

### Song Recommendation System using Spotify's API

November 2022

- Performed correlation analysis, data visualization and k mean clustering, to uncover patterns and insights within Airbnb's open dataset.
- Visualized the analysis using Folium and Plotly.
- App link: <https://rb.gy/bycu1>

### NYC Taxi and limo Data Analyst

- Performed correlation analysis, data visualization and k mean clustering, to uncover patterns and insights within NYC Taxi and limo.
- Visualized the analysis using Seaborn.
- A/B Testing and Linear Regression
- App link:

### Salifort Motors Data Analyst

- Performed correlation analysis, data visualization and k mean clustering, to uncover patterns and insights within Salifort Motors
- Visualized the analysis seaborn and matplotlib
- Xgboost, Random Forest Classifier, KNN, and Logistic Regression.
- App Link:

### Web application using Kubernetes

December 2023

- Deployed a web application on AWS Elastic Kubernetes Service by creating a Docker container.
- Performed cost-benefit analysis of using ECS (Elastic Container Service) vs EKS (Elastic Kubernetes Service).
- Created a repository for the Docker containers in AWS Elastic Container Registry.

## CERIFICATION

Google Advanced Data Analytics By course authorized by Google.

November 2023

<https://www.coursera.org/account/accomplishments/professional-cert/YEFJP5B3ZH7C>

The Power of Statistics By course authorized by Google.

November 2023

<https://www.coursera.org/account/accomplishments/verify/LPXW8SPXXU3K>

Regression Analysis: Simplify Complex Data Relationships course authorized by Google.

November 2023

<https://www.coursera.org/account/accomplishments/verify/XLNM7Y5R2ASH>

AWS Cloud Technical Essentials authorized by Amazon Web Services

December 2023

<https://www.coursera.org/account/accomplishments/certificate/3GN62FRB9YAH>

Architecting Solutions on AWS authorized by Amazon Web Services

December 2023

<https://www.coursera.org/account/accomplishments/certificate/VAFNWFQDQWHC2>

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