CZARINA LUNA

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DATA SCIENTIST / DATA ANALYST

Data scientist and analyst with a background in business management and analytics. Passionate about solving business problems through data analysis, Machine Learning, AI technologies, and by developing practical applications. Proficient in Python programming, predictive modeling, and results communication. With experience in communications, management, research and more, I bring strong technical skills and capabilities to collaborate with teams and communicate with clients.

TECHNICAL SKILLS

Python, SQL, TensorFlow, Keras, NLP, OpenCV, Sk-learn, NumPy, Pandas, Matplotlib, Seaborn, HTML, CSS, OOP, Git

TECHNICAL PROJECTS

AI/Machine Learning-Powered Video Library, Github   April 2022
Developed a web application to solve the lack of functionality in video archives to search by content
- Three-Part project performing Speech Recognition, Optical Character Recognition, and Object Detection
- Processed over 2,000 TikTok videos by extracting audio, on-screen text, and visual objects
- Utilized PyDub, Google Speech Recognition API, OpenCV, PyTesseract, and YOLO object detection algorithm
- Deployed NLP-based search engine that returns the matching videos given queries e.g. speech, objects in video

Product Recommender Engine, Github   March 2022
Developed recommendation systems for online platform to recommend products to users
- Performed end-to-end ML process by preprocessing, analyzing, and modeling Rent the Runway data
- Applied Content-based Recommenders and Collaborative Filtering Systems, using Surprise library, to 200k reviews
- Predicted user ratings using K-nearest neighbors and Matrix Factorization algorithms

NLP Clustering and Sentiment Analysis, Github   February 2022
Analyzed social media posts to classify sentiments, and cluster topics to provide actionable insights
- Applied NLP techniques to process 90k tweets and performed classification to predict multi-class sentiments
- Trained models including Logistic Regression, Trees and Boosting models, SVMs
- Performed unsupervised K-means Clustering to find relevant themes, presented with business recommendations

EMPLOYMENT HISTORY

Practice Specialist – Data and Technology, Multi-Practice Dental, Remote   Nov 2021 - Present
- Utilized Python, Dentrix, and Excel to analyze datasets from multiple locations of the practice
- Built and maintained dashboard applications and visualizations for tracking Key Performance Indicators (KPIs)

Practice Manager, Dental Practice, New York, NY   Mar 2020 - Nov 2021
- Managed patient data and financial data using practice management software to drive the growth of the practice
- Presented analytical reports and data-driven recommendations for implementing action plans

Office Manager, Dental Office of Geraldine Simeon, New York, NY   Feb 2019 - Feb 2020
- Managed operations and communications with patients and insurance companies to coordinate treatment plans
- Learned front-end development, and designed and built business website using HTML, CSS, and Javascript

Market Researcher, House of Marketing Research Inc., Pasadena, CA   Nov 2017 - Jan 2019
- Provided market analysis for clients, and consulted with different stakeholders to develop market research projects
- Conducted data collection and preparation for pricing studies by interviewing 2,500 respondents

EDUCATION

Flatiron School, New York, NY   Nov 2021 - Mar 2022
Immersive Data Science Bootcamp Program
- Probability & Statistics, Machine Learning, Deep Learning, Time Series, Unsupervised ML, Big Data Analytics
- Projects: Regression, Classification, NLP, Recommendation Systems, Artificial Intelligence

Ateneo de Manila University, Philippines   Jun 2017
Bachelor's Degree in Political Science
- Relevant Coursework: Management, Economics, Python Computing, Data Analysis - Quantitative Research (SPSS)
- Undergraduate Honors Scholarship (awarded to 3,500 out of 25,000 examinees nationwide)