

KA YEE YUEN(CLAIRE)

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EDUCATION

University of Southern California Los Angeles, CA

Graduation Date: May 2023

Master of Science: Analytics

- Coursework: Data Management, Predictive Analytics, Optimization, Analysis of Algorithms, Data Mining, Text Analytics, Project Management, Business Intelligence

University of California, San Diego La Jolla, CA

Graduation Date: Jun 2020

Bachelor of Arts: International Business

SKILLS

- **Analysis:** Advanced SQL, Tableau, Excel(Pivot Table), SAS, PowerBI, Python(Pandas, Numpy, Sklearn, Matplotlib), R
 - **Database:** MySQL, PostgreSQL, Oracle, Spark, NoSQL
 - **Cloud Technologies:** AWS, Microsoft Azure
 - **Project Management:** Monday, MS Project, Jira
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EXPERIENCE

Data Analytics Consulting Practicum, Kiana Analytics

Aug 2022-Dec 2022

- Performed Extract, Transform, Load (ETL) processes on 20 million records to refine the dataset
- Executed data-cleaning procedures to rectify inconsistencies, inaccuracies, and missing values within the dataset
- Utilized real-time location system data to establish an access control mechanism, enabling and restricting entry to specific zones within the building based on real-time positioning
- Designed and implemented key performance metrics(KPIs) to evaluate device functionality, personnel movement, damaged device occurrences, and security levels across different zones within the facility
- Created clear visualizations and comprehensive reports using PowerBI to present findings and recommendations to stakeholders

Data Analyst Intern, Tian Xing Ma Tou Restaurant Group, Hong Kong

Aug 2021-Mar 2022

- Collected data from customer surveys, sales reports, food delivery apps, and social media and analyzed the data to identify trends and insights using SQL and Excel
 - Created data visualizations and dashboards using PowerBI to provide business insights to stakeholders, which improved decision-making and operational efficiency
 - Developed predictive models for sales forecasting and inventory management using machine learning techniques in Python, resulting in a 20% improvement in forecasting accuracy
 - Led cross-functional teams, including product development and marketing, to develop and implement data-driven solutions that improved customer engagement and retention
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PROJECT

Electrical Vehicles(EV) Patents Citation Prediction

Oct 2022-Dec 2022

- Web scrapped 35,000 patents on Google Patents and parsed the information as a dataset in JSON format
- Built Information Retrieval models such as TF-IDF, Jaccard, BERT to find the most similar patent for the use of citation
- Evaluate the model against the ground truth by calculating the accuracy rate such as nDCG, mapK, and F1-score, and performing statistical hypothesis testing
- Conducted Natural Language Processing techniques such as tokenization, and lemmatization to preprocess the data
- Performed LDA Topic Modeling and BERTopic model to gain understanding, trends, and insights into the EV industry

Movie Recommendation System

Jan 2022-Feb 2022

- Built recommendation engines by using the concept of Content-Based, Collaborative, Demographic, and Hybrid Filtering based on 26M+ ratings and 270K+ users
 - Utilizing the machine learning library Scikit-Learn to build the recommendation on the word-based information
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LEADERSHIP & INVOLVEMENT

USC Women in Engineering (WIE) | WiE Mentorship Program

Feb 2022 - May 2022

- Received the Outstanding Mentee Award in Spring 2022 for being a contributing member of the mentorship program

USC Graduates Rising in Information and Data Science (GRIDS) | Member

Aug 2021 - May 2023