

# Ruo-Yi Evelyn Liang

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## SUMMARY

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Data Science Meets Product Strategy—Turning Analytics into Action

sectionEducation

resumeSubHeadingListStart

resumeSubheadingUniversity of California, BerkeleyBerkeley, CAMaster of Analytics, IEOR, College of EngineeringAug 2025 – Present

resumeSubSubheadingGPA: 3.7/4.0

resumeItemListStart

resumeItemCourses: Machine Learning, Optimization, Design of Databases, Risk Modeling, Transportation/Supply Chain and Logistics Management

resumeItemListEnd

resumeSubheadingNational Taiwan University (NTU)Taipei, TaiwanBachelor of Business Administration in Technology ManagementJune 2024

resumeSubSubheadingGPA: 3.8/4.0

resumeItemListStart

resumeItemCourses: Data Analysis and Machine Learning with Python, Manufacturing Data Science, Marketing Analytics, Human Computer Interaction and User Studies, Project Management

resumeItemListEnd

resumeSubHeadingListEnd

sectionExperience

resumeSubHeadingListStart

resumeSubheadingData Analysis Intern (Product Team)June 2023 – Dec 2023Shopee Pte. Ltd.Taipei, Taiwan

resumeItemListStart

resumeItemMonitored operational performance in delivery channel and saved 5% costs by creating 10+ dashboards and reports using TrinoSQL from an 8 million+ transaction dataset

resumeItemIncreased 2% in monthly sales through A/B testing on page design using the CVR metric and applied statistical analysis

resumeItemConducted data-driven and interview-based analyses for business and product recommendations, collaborating cross-functionally with stakeholders across 4 departments

resumeItemDeveloped an RNN-based machine learning model, automating employee classification and saving 20+ hours of workload weekly

resumeItemListEnd

resumeSubheadingResearch AssistantDec 2022 – July 2023Human-Computer Interaction Lab in National Taiwan UniversityTaipei, Taiwan

resumeItemListStart

resumeItemConducted Text-Based Sentiment Analysis by transforming qualitative insights from unstructured data into quantitative data

resumeItemAnalyse the correlation between Autism Spectrum Condition and algorithmic bias using Lavaan in R

resumeItemCo-authored a thesis on data credibility and correlation, presented findings in academic discussions

resumeItemListEnd

resumeSubHeadingListEnd

sectionProjects

resumeSubHeadingListStart

resumeProjectHeading

textbfCapstone - 2nd Prize in Google Case Competition: Dynamic Staffing Optimization

resumeItemListStart

resumeItemAchieved a 16% profit boost by engineering a linear programming optimization model that dynamically adjusted agent staffing in real-time

resumeItemListEnd

resumeProjectHeading

textbfPredictive Modeling for Aviation Maintenance Optimization |

emphEDA, SelectKBest, PCA, Random Forest, XGBoost

resumeItemListStart

resumeItemProcessed and analyzed 22 million records, narrowing down to 330,000 samples, to develop a predictive model optimizing aviation maintenance, reducing costs, preventing failures, and enhancing safety

resumeItemListEnd

resumeProjectHeading

textbfPublic Bicycle Usage Analysis and Machine Learning Prediction |

emphGradient Boosting Regressor, time series analysis, BeautifulSoup, Pandas, PowerBI, Excel

resumeItemListStart

resumeItemDeveloped an ML model (Gradient Boosting Regressor) with 85% R-squared accuracy to predict bicycle availability at stations using time series analysis

resumeItemListEnd

resumeSubHeadingListEnd

sectionTechnical Skills

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item

textbfData Analysis: NumPy, SciPy, TensorFlow, PyTorch, Pandas, Matplotlib, BeautifulSoup

textbfDatabase: MySQL, Trino SQL, MongoDB

textbfProgramming languages: Python, C/C++, SQL, R, C#

textbfTools: Tableau, PowerBI, Github, Spark, AWS, Microsoft Office, MATLAB

enditemize

sectionLeadership

Activities

resumeSubHeadingListStart

resumeSubheading

textbfEvent General Coordinator of Graduates' Catered BanquetApr 2023 – May 2023

resumeItemListStart

resumeItemLed a team of 100+ across 7 departments for events (dance, singing, keynote speech, etc.) catering to 3,000+ students at Royal Palm Blvd

resumeItemCoordinated with 12 sponsors including Hua Nan Commercial Bank, Hotai Motor Co, BABI International Corp.

resumeItemListEnd

resumeSubHeadingListEnd