

Ruo-Yi Evelyn Liang

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SUMMARY

Data Science Meets Product Strategy—Turning Analytics into Action

EDUCATION

University of California, Berkeley <i>Master of Analytics, IEOR, College of Engineering</i> <i>GPA: 3.7/4.0</i>	Berkeley, CA <i>Aug 2025 – Present</i>
<i>center<ul style="list-style-type: none">Courses: Machine Learning, Optimization, Design of Databases, Risk Modeling, Transportation/Supply Chain and Logistics Management</i>	
National Taiwan University (NTU) <i>Bachelor of Business Administration in Technology Management</i> <i>GPA: 3.8/4.0</i>	Taipei, Taiwan <i>June 2024</i>
<i>center<ul style="list-style-type: none">Courses: Data Analysis and Machine Learning with Python, Manufacturing Data Science, Marketing Analytics, Human Computer Interaction and User Studies, Project Management</i>	

EXPERIENCE

Data Analysis Intern (Product Team) <i>Shopee Pte. Ltd.</i>	June 2023 – Dec 2023 <i>Taipei, Taiwan</i>
<i>center<ul style="list-style-type: none">Monitored operational performance in delivery channel and saved __PCT_PLACEHOLDER_0__ costs by creating 10+ dashboards and reports using TrinoSQL from an 8 million+ transaction datasetIncreased __PCT_PLACEHOLDER_0__ in monthly sales through A/B testing on page design using the CVR metric and applied statistical analysisConducted data-driven and interview-based analyses for business and product recommendations, collaborating cross-functionally with stakeholders across 4 departmentsDeveloped an RNN-based machine learning model, automating employee classification and saving 20+ hours of workload weekly</i>	
Research Assistant <i>Human-Computer Interaction Lab in National Taiwan University</i>	Dec 2022 – July 2023 <i>Taipei, Taiwan</i>
<i>center<ul style="list-style-type: none">Conducted Text-Based Sentiment Analysis by transforming qualitative insights from unstructured data into quantitative dataAnalyse the correlation between Autism Spectrum Condition and algorithmic bias using Lavaan in RCo-authored a thesis on data credibility and correlation, presented findings in academic discussions</i>	

PROJECTS

Capstone - 2nd Prize in Google Case Competition: Dynamic Staffing Optimization 7pt	space-
<i>center<ul style="list-style-type: none">Achieved a __PCT_PLACEHOLDER_0__ profit boost by engineering a linear programming optimization model that dynamically adjusted agent staffing in real-time</i>	
Predictive Modeling for Aviation Maintenance Optimization <i>EDA, SelectKBest, PCA, Random Forest, XGBoost</i> 7pt	space-
<i>center<ul style="list-style-type: none">Processed 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</i>	
Public Bicycle Usage Analysis and Machine Learning Prediction <i>Gradient Boosting Regressor, time series analysis</i> 7pt	space-
<i>center<ul style="list-style-type: none">Developed an ML model (Gradient Boosting Regressor) with __PCT_PLACEHOLDER_0__ R-squared accuracy to predict bicycle availability at stations using time series analysis</i>	

TECHNICAL SKILLS

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

Database: MySQL, Trino SQL, MongoDB

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

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

LEADERSHIP & ACTIVITIES

Event General Coordinator of Graduates' Catered Banquet

Apr 2023 – May 2023

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

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