

MADELINE LIN

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EDUCATION

Monroe College ; New Rochelle NY <i>Post Masters Certificate Data Science</i> GPA: 4.0/4.0	Apr 2022 - Apr 2023
University of Texas at Austin ; Austin TX <i>Master of Quantitative Economics</i> GPA: 3.51/4.0	Jul 2018 - May 2020
Shanghai Maritime University ; Shanghai China <i>Bachelor of International Accounting</i> GPA: 3.76/4.0	Sep 2014 - Jul 2018

EXPERIENCE

Deloitte - Transfer Pricing Consultant ; New York NY	Jun 2021 - Present
<ul style="list-style-type: none">Analyzed intercompany transactions for multinational enterprises across diverse industry sectorsCollected, processed, and analyzed financial data from relevant databases, implemented benchmark studies on financial metrics, assessed functions and risks, and monitored regulatory and business change and resultant impact on transfer pricingSpearheaded the integration of technology software (i.e. Workiva) to automate the transfer pricing documentation preparation, developed the streamlined process, and showcased a live demo to the entire transfer pricing delivery center teamBuilt experimental use cases for the application of Transfer Pricing Compliance Overview System (TPCOS) and provided constructive feedbacks to TP technology teamAssisted in transfer pricing internal board to develop an econometric model to evaluate the impact of ESG activities on profitability	
CertiK - Economic Research Intern ; New York NY	Dec 2019 - Jan 2020
<ul style="list-style-type: none">Supported blockchain security industry in economic analysis of Ethereum 2.0, using statistical techniques to build a validator economic incentive model and evaluate the feasibility and profitability of Proof of Stake algorithmAnalyzed the economic design of Cosmos Network, summarized the economic findings, and offered takeaways for CertiKTransformed intricate technical data concepts and jargon into accessible business-oriented narratives, wrote blog content on CertiK social media platforms, bridging the gap between technical insights and broader audiences	
Austin Film Festival - Data Analytics Intern ; Austin TX	May - Jun 2019
<ul style="list-style-type: none">Extracted and loaded marketing data from relevant databases and utilized power queries to transform data into structured formatConducted sales forecast analysis for film badges, created data visualizations for film submissionsUtilized clustering and PCA methods to identify key customer segments, summarized customer purchasing patterns and preferences, and overall optimized marketing strategies	

PROJECTS

Healthcare Analytics Platform - Artificial Intelligence - Firm Initiative Project ; New York NY	May 2023 - Jun 2023
<ul style="list-style-type: none">Collaborated with software engineers on Natural Language Processing ontology driven matching algorithmsDesigned the User Interface for the healthcare data mapping process, transformed the UI designs into functional and interactive elements, evaluated, and fine-tuned the UI elements, and overall contributed to frontend of the applicationIncorporated Large Language Models into the system through all layers of the applicationImplemented cloud deployment strategies to ensure the platform's scalability, accessibility, and seamless user experiences	
Life Science Accounts Scan - Firm Initiative Project ; New York NY	May 2023 - Present
<ul style="list-style-type: none">Contributed to the development of executive-level dashboards for the life science industry, utilized Tableau to visualize performance metrics and key insights from collected survey data, and monitor and evaluate dashboard effectivenessReviewed and analyzed the critical issues from the results, assessed business risks and impacts, and facilitated proper recommendations and escalations to senior management to drive timely and effective solutions	
Spotify Personal Music and Recommendation System Analysis - Individual Project ; New York NY	April 2023
<ul style="list-style-type: none">Created data visualizations to understand personal music tastes and listening habitsBuilt the optimal stream prediction model based on track audio features (i.e. danceability, energy, liveness, key, etc.) through regression models, stepwise selection, and decision tree methods, and proposed a better recommendation systemConducted a comparative research study of Support Vector Regression and Feedforward Neural Network on Spotify recommendation system	

SKILLS

Computer Skills: R, Python, SQL, SAS, Tableau, PowerBI, Stata, Hadoop, Figma
Certificates: AWS Cloud Practitioner, AWS Machine Learning - Specialty, Oracle SQL Explorer, Azure Data Scientist (preparing)