MADELINE LIN

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EDUCATION

Monroe College; New Rochelle NY   **Apr 2022 - Apr 2023**
Post Master Certificate Data Science   GPA: 4.0/4.0
- Core Courses: Machine Learning, Database Systems, Data Science, Object Oriented Software, Statistical Computing, Big Data Management and Analytics, Analytic Techniques, Applied Data Science Project

University of Texas at Austin; Austin TX   **Jul 2018 - May 2020**
Master of Quantitative Economics   GPA: 3.51/4.0
- Core Courses: Econometrics, Microeconomics, Macroeconomics, Statistics, Data Mining, Econometrics with R, Causal Inference, Computer Programming: Python, Business Analytics & Decision Modeling

Shanghai Maritime University; Shanghai China   **Sep 2014 - Jul 2018**
Bachelor of International Accounting   GPA: 3.76/4.0
- Core Courses: Financial Accounting, Financial Management, Calculus, Statistics, VB Programming, Linear Algebra, Marketing Analytics, Public Finance, International Finance, Monetary and Banking

EXPERIENCE

Deloitte - *Transfer Pricing Consultant*; New York NY   **June 2021 - Present**
- Worked with global teams to conduct extensive financial data analyses of multinational corporations' massive intercompany transactions across diverse industry sectors, including finance, retail, technology fields
- Developed econometric models to assess ESG activities on company's profitability, performed benchmark studies on financial metrics, researched and identified capital market trends for informed decision-making
- Spearheaded the integration of technology software for the automated generation of transfer pricing documentation, developed the streamlined process, and offered guidance to the entire transfer pricing delivery center team to enhance efficiency
- Conducted fact-finding discussions to understand business operations and transaction flows, performed value chain alignment analysis to identify key business drivers, designed an efficient business license model, leading to substantial tax savings

CertiK - *Economic Research Intern*; New York NY   **Dec 2019 - Jan 2020**
- 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 algorithm
- Transformed 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

QIAGEN - *Internal Audit Intern;* Germantown MD   **May 2019 - Aug 2019**
- Implemented over 50 interim internal control audits of the company's financial conditions in conjunction with SOX compliance, including areas of financial report, fixed assets, inventory, procurement, and sales
- Utilized policy-driven criteria to select samples, extracted data from the ERP system, conducted validation such as evidence of performance, timely approval, mathematically accuracy to ensure robust compliance

PROJECTS

Life Science Accounts Scan - *Deloitte Firm Initiative Project*; New York NY   **May 2023 - Present**
- Contributed to the development of executive-level dashboards for the life science industry, utilized Tableau to visualize performance metrics and key insights on different segments from collected survey data
- Reviewed 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

Healthcare Analytics Platform - Artificial Intelligence - *Deloitte Firm Initiative Project*; New York NY   **May 2023 - Jun 2023**
- Designed the user interface for the healthcare analytics platform data mapping process
- Collaborated with software engineers on natural language processing ontology driven matching algorithms, transformed the UI designs into functional and interactive elements, and contributed to the front-end development of the application

Fraud Detection in Banking Industry - *Deloitte Hackathon Competition*; New York NY   **May 2023**
- Analyzed transaction data and client information data, applied machine learning techniques to enhance banks' fraud detection capabilities through various types of binary classification models

SKILLS

Computer Skills: R, Python, SQL, SAS, Tableau, PowerBI, Stata, Hadoop
Certifications: AWS Machine Learning Specialty, AWS Cloud Practitioner, Microsoft Azure SQL Solutions (preparing)
Hobbies: Lift weights, Taste cheese, Binge on music, Bike around the city, Watch classic films