

MADELINE LIN

29-22 Northern Blvd • Queens, NY 11101
madeline.zhiyang.lin@gmail.com • (718) 877-9160 • [Personal Webpage](#)

EDUCATION

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- Monroe College; Post Master Data Science; New Rochelle NY** **Apr 2022 - Apr 2023**
- GPA: 4.0/4.0 *Relevant Courses:* Machine Learning, Statistical Computing, Object Oriented Software, Database Systems, Data Science, Big Data Management and Analytics, Analytic Techniques, Applied Data Science Project
- University of Texas at Austin; Master of Quantitative Economics; Austin TX** **Jul 2018 - May 2020**
- GPA: 3.51/4.0 *Relevant Courses:* Econometrics, Data Mining, Probability and Statistics, Causal Inference, Computer Programming Python, Business Analytics & Decision Making
- Shanghai Maritime University; Bachelor of International Accounting; Shanghai China** **Sep 2014 - Jul 2018**
- GPA: 3.82/4.0 GRE: 169(Quant) *Relevant Courses:* Statistics, Calculus, Linear Algebra, VB Programming, Microsoft Access

PROFESSIONAL EXPERIENCES

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- Deloitte - Tax Transfer Pricing Consultant; New York NY** **Jun 2021 - Present**
- Worked with global team to deliver tax transfer pricing services to multinational corporations' massive intercompany transactions across diverse industry sectors, including financial services, life science, retail, and technology fields
 - Contributed to the development of an econometric model to assess the quantitative impact of ESG activities on company's gross margin
 - Spearheaded the integration of data analytics technology software (i.e. Workiva) for automated generation of transfer pricing reports and memos, developed the innovative streamlined process, significantly improving project operating margins from ~45% to ~88%
 - Acted as Workiva specialist to provide series of trainings to the entire transfer pricing delivery center team, delegated various tasks, conducted reviews and offered constructive feedbacks to enhance team performance
 - Utilized Generative AI Studio to develop user cases in transfer pricing practice, including draft industry analysis, business descriptions
- CertiK - Economic Research Intern; New York NY** **Dec 2019 - Jan 2020**
- Supported the blockchain security industry in economic analysis of Ethereum 2.0 and Cosmos Network, using statistical techniques to develop a validator incentive model, analyzed the economic design, and evaluate the profitability of Proof of Stake algorithm
- Austin Film Festival - Data Analytics Intern; Austin TX** **May - Jun 2019**
- Created data visualizations for film submissions, utilized clustering and PCA methods to identify key customer segments, summarized customer purchasing patterns and preferences, and overall optimized marketing strategies

FIRM CONTRIBUTIONS & PROJECT

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- Takeda Generative AI Request For Proposal - Firm Initiative; New York NY** **Feb 2024**
- Assisted with board members on a GenAI RFP, contributed to project management activities such as active participation in team calls, documentation of meeting minutes, facilitation of internal team, and monitoring of action items
 - Conducted 60+ chatbot testings to evaluate the functionality, identified implicit requests from the RFP, refined the architecture and platform slides, and validated the GenAI solution archetypes across diverse use cases
- Life Science Accounts Scan - Firm Initiative; New York NY** **May 2023 - Dec 2023**
- 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 effectiveness
 - 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 - Firm Initiative; New York NY** **May 2023 - Jun 2023**
- Collaborated with software engineers on NLP ontology driven matching algorithms, designed the user interface for the healthcare data mapping process, transformed the UI designs into functional and interactive elements, and incorporated LLMs into the system
- Machine Learning Analysis on Spotify Recommendation System - Individual Project; New York NY** **Feb 2023 - Apr 2023**
- Built an advanced stream prediction regression model utilizing track audio features such as danceability, energy, liveness, key, employed rigorous regression techniques through stepwise selection, and decision tree methodologies
 - Conducted a comparative analysis of machine learning algorithms, specifically Support Vector Regression and Feedforward Neural Network, to optimize Spotify's recommendation system for enhanced quantitative performance

FIRM LEADERSHIPS

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- Deloitte Sidekick - Ambassador; New York NY** **Jan 2024 - Present**
- Assisted in expansion of Sidekick's presence and awareness throughout the firm, identified use cases, success stories and prompts
- Deloitte Green Dot Basketball Club - Firm Contribution; New York NY** **Dec 2023 - Present**
- Served as a committee board member overseeing the coordination and execution of monthly pickup basketball events

SKILLS

Skills: Python (Advanced), R (Advanced), SQL (Intermediate), Tableau (Advanced), PowerBI (Intermediate), Microsoft Suites (Advanced)
Certificates: AWS Machine Learning - Specialty, AWS Cloud Practitioner, Deloitte Tableau Specialist, Deloitte GenAI Prompt Engineer
Hobbies: Weight lifting, House and Soul Music, Swimming, Basketball, Part-time Modeling, Biking around the city