MADELINE LIN

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

PROFESSIONAL EXPERIENCE

Deloitte - *Senior Consultant, Transfer Pricing in Investment Management Industry*; New York NY **Jun 2021 - Present**

- Worked with global team to deliver transfer pricing services to multinational corporations with AUM ranging from $17B to $51B within PE, mutual funds, hedge funds, and other asset management industries, facilitated optimized financial decision-making through in-depth quantitative analysis of intercompany transactions
- Performed 65+ comprehensive interest rate and debt capacity analyses for blocker and land banking borrower intercompany loans in real estate investment funding, leveraged financial models to benchmark LBOs and CLOs based on target IRR, and provided strategic investment advisory services to maximize financial efficiency
- Conducted qualitative industry research to analyze the market trends, key challenges and opportunities for 50+ clients, performed functions, risk, asset analyses, and applied accounting, capital adjustments to evaluate key financial operating metrics or interest rates ratios, including considerations such as tenor, time, subordination, and credit rating
- Executed intellectual property valuation exercises, identified components and estimated economic useful life, benchmarked the WACC, and applied the DCF model, and proposed potential intercompany transactions, which led to ~10% increase in tax savings
- Reviewed 100+ financial statements, 10Ks, and intercompany agreements, aiding audit FSI teams to conduct tax provision audits
- 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%

PROJECTS & LEADERSHIP

Practical Python with Applications in Finance - *Personal Endeavor*; New York NY **Jun 2024**

- Gained programming skills for finance sector, emphasizing the practical application of Python to address real-world challenges
- Developed and implemented a comprehensive asset backed security model, incorporated cashflow calculations via a waterfall mechanism, financial metrics analyses (i.e. IRR, DIRR, AL), and risk assessment through Monte Carlo simulations

Financial Market Bootcamp: Portfolio Optimization & Risk Assessment - *Personal Endeavor*; New York NY **Jan - Feb 2024**

- Engaged in interactive live sessions and pre-recorded videos to grasp fundamental concepts across various financial market topics
- Developed a diversified portfolio of eight sub-asset classes, employed the asset allocation mean-variance optimization model, evaluated portfolio performance by calculating the Sharpe ratio and conducting backtests, performed the risk decomposition, and assessed the portfolio return

Transfer Pricing Econometric Analysis of ESG Benefit - *Deloitte Transfer Pricing Internal Project*; New York NY **Jul 2023**

- Analyzed ESG scores of 339 companies over five years across 20 countries and developed and validated the econometric model to assess the quantitative impact of ESG activities on company's gross margin
- Drafted strategic memo to enhance transfer pricing methodologies for intercompany affiliates

Deloitte Generative AI Firm Contribution Projects - *Deloitte GenAI Ambassador*; New York NY **May 2023 - Present**

- Assisted in content management strategy for Sidekick (firm wide internal GenAI tool), supported tool design and enhancements, and developed user cases in transfer pricing business segment
- Collaborated with software engineers on NLP ontology driven matching algorithms for healthcare analytics platform, designed UI for healthcare data mapping process, and integrated LLMs across all layers of the application

EDUCATION

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, Financial Statement Analysis

Shanghai Maritime University; *Bachelor of International Accounting*; Shanghai China **Sep 2014 - Jul 2018**

- GPA: 3.82/4.0 GRE: 169(Quant) *Relevant Courses*: Microsoft Access, Statistics, Linear Algebra, International Finance, Financial Management, Monetary and Banking

TECHNICAL PROFICIENCIES

Skills: Python (Advanced), R (Advanced), SQL (Intermediate), Tableau (Advanced), PowerBI (Intermediate), Microsoft Suites (Advanced)
Databases: Bloomberg, S&P Capital IQ, Pitchbook, Morningstar, Moody's, Eikon, Leveraged Commentary & Data
Certificates: Baruch Pre-MFE Course - Practical Python with Applications in Finance (Distinction), AWS Machine Learning - Specialty, AWS Cloud Practitioner, Deloitte GenAI Prompt Engineer, Deloitte Tableau Specialist, Currently preparing for CFA I
Hobbies: Weight lifting, House and Soul Music, Swimming, Part-time Modeling, Biking around the city