

MADELINE LIN

29-22 Northern Blvd • Queens, NY 11101

madeline.zhiyang.lin@gmail.com • (512) 413-4365 • <https://github.com/madelinezL>

EDUCATION

Monroe College; New Rochelle NY **April 2022 - April 2023**

Post Masters Certificate Data Science GPA: 4.0/4.0

- Core 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; 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
- Societies: Longhorn French Society Member, TeXercise Club Member

Shanghai Maritime University; Shanghai China

Sep 2014 - Jul 2018

Bachelor of International Accounting GPA: 3.76/4.0; Ranking: 1/31

- Core Courses: Financial Accounting, Financial Management, Calculus, Statistics, VB Programming, Linear Algebra, Marketing Analytics, Public Finance, International Finance, Monetary and Banking
- Societies: Vice president of Accounting Club, World Archery Club Member

EXPERIENCE

Deloitte - Transfer Pricing Consultant; New York NY

June 2021 - Present

- Work with Ph.D. economists, tax attorneys and tax specialists in a team environment to analyze and resolve international transfer pricing issues faced by multinational enterprises in a wide variety of industries
- Engaged in a spectrum of transfer pricing projects including global documentation, value chain alignment, audit defense, advanced pricing agreements, financial transactions, and operational transfer pricing etc.
- Performed detailed economic and financial data analyses, as well as more complex modeling and empirical analyses

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

Austin Film Festival - Data Intern; Austin TX

May - Jun 2019

- Performed sales forecast analysis of the film badges, created data visualizations for film submissions and produced a 3-page report with insights for marketing strategies

Ernst & Young LLP Shanghai - Audit Intern; Shanghai China

Jan - Feb 2017

- Examined worksheets, prepared sheet for financial statement year-over-year analysis and appraised internal control systems

PROJECTS

Spotify Personal Music and Recommendation System Analysis - Individual Project; New York NY

July 2022

- Created data visualizations to understand personal music tastes and listening habits
- Built 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 system

The Natural Gas Demand Model - Individual Project; Austin TX

May 2020

- Collected and organized demand, price, temperature, policy, GDP, etc. to multivariate time series data frame
- Built vector auto regression model, smoothed average method, log-linear regression model to predict natural gas demand for the next 10 years and offer potential solutions to policy makers

The Micro Communities in the Chinese Stock Market - Research Assistant; Shanghai China

May 2017

- Assisted with a panel data model research of external investment analysis for Chinese companies with similar capital structures
- Cleaned up data format, aggregated data, designed charts of different types of shares for 50 companies from monthly to annual

SKILLS

Computer Skills: R, Python, SQL, SAS, PowerBI, Stata

Languages: Native in Mandarin, Fluent in English, Conversational in French

Hobbies: Lift weights, Taste cheese, Binge on music, Bike around the city, Watch classic films