

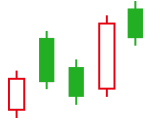
Mingjing Yuan

Computer Science

Finance

Social Media

Work Experience



Private Investor

Self-employed

Jan 2016 - Present

- Develop trading technical indicators by integrating APIs with Java and the JDK to support my stock trading decisions.
- Develop lightweight Python applications for stock valuation analysis.
- Manage my portfolio: Nvidia, Google, Tesla, Salesforce, Microsoft, Coinbase, Travelers, Immunome, AMD, Reliance Steel & Aluminum, Lockheed Martin, Electronic Arts, etc.
- Skilled at mastering fear & greed.
- Thoroughly understand various financial instruments, including cryptocurrencies.
- My investment decisions based on fundamental analysis, technical analysis, and sentiment analysis.
- Capable of analyzing economic data from the United States and major countries worldwide, as well as the Federal Reserve's interest rate trajectory.
- Previously had personal investment experience in the Chinese stock market.
- Capable of analyzing the economic policies of both the Chinese and United States

More information:

LinkedIn Profile: [linkedin.com/in/mj-yuan-786678324/](https://www.linkedin.com/in/mj-yuan-786678324/)

Relevant Skills

- Java
- Python
- Portfolio Management
- GitHub
- Technical Analysis
- Fundamental Analysis
- Sentiment Analysis
- Data Science
- Risk Management
- Software Engineering
- SQL
- Cryptocurrency



Social Media Influencer

Self-employed

May 2018 - Present

- Use Python to visualize data trends to identify effective content types and audience preferences.
- Use Java to develop programs to analyze social media data for personal use.
- Started creating game-related and digital art videos during undergraduate studies out of personal interests.
- Manage and market my personal social media accounts, including YouTube, BiliBili, Instagram, and others.
- Set KPIs for my channel and create videos aligned with current trends.
- Known as YMJ.

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LinkedIn Profile: [linkedin.com/in/mj-yuan-786678324/](https://www.linkedin.com/in/mj-yuan-786678324/)
Contact: y531288933@outlook.com | 347-254-2003
New York City Metropolitan Area (Open to relocation)

Relevant Skills

- Python
- Data Science
- Software Engineering
- Java
- Social Media Analytics
- Adobe Premiere Pro
- Adobe After Effects
- Rendering
- Adobe Photoshop
- Digital Art
- Creative Content Production
- Autodesk Maya



Content Creation Artist

Electronic Arts (EA) • Contract - Stock Symbol: EA

Apr 2020 - Present

Germany • Remote

Project: <EA SPORTS FC>

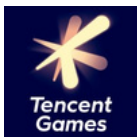
- Have been working with the Canadian team, the German team, the English team, the Chinese team, and the LATAM team.
- Develop scripts for game controller functionality using Python.
- Utilize tools like Revolution Database Master to retrieve and edit game databases, as well as creating mods with Maya, Photoshop, and FIFA Editor Tool. Leveraging my unique skills to simulate animations in the game that align with real-life soccer footage. Applying Adobe After Effects compositing techniques to enhance the realism of game footage when compared to real-life recordings. Editing and rendering the final output using Adobe Premiere Pro.
- My creations are not only uploaded to my social media but also shared on the social media accounts of soccer leagues, clubs, and players collaborating with EA.
- In early 2021, my work achievements were featured in media and magazines, documented on my LinkedIn profile.

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Relevant Skills

- Database
- Creative Content Production
- Adobe Photoshop
- Python
- Adobe After Effects
- Digital Art
- Autodesk Maya
- Adobe Premiere Pro
- International Team Collaboration
- Rendering



Key Opinion Leader

Tencent Games • Freelance - Stock Symbol: 00700

Mar 2023 - Present

China • Remote

Project: <EA SPORTS FC Online>

- Recreate real soccer footage with the game, just as I do for Electronic Arts (Described in my work experience at EA).
- Develop scripts for game controller functionality using Python.
- Write the video script.
- Produce and share content on my social media and Tencent Games' platforms to drive gamer engagement and increase game adoption.
- Analyze content trends using Python.

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Relevant Skills

- Database
- Creative Content Production
- Adobe Photoshop
- Python
- Adobe After Effects
- Digital Art
- Autodesk Maya
- Adobe Premiere Pro
- Screenwriting
- Rendering
- Speech
- Social Media Analytics



Data Analyst

Beijing Romi Elf Tec.CO.LTD · Full-time

Jan 2021 - Jan 2022

- Use Python to develop programs to analyze social media data.
- Analyze key metrics (e.g., views, engagement rate, follower growth) to evaluate content performance.
- Visualize data trends to identify effective content types and audience preferences.
- Apply this methodology to my personal social media accounts during my spare time.

Relevant Skills

- Data Analysis
- Social Media Analytics
- Python
- Social Media Marketing
- GitHub
- KPIs
- SQL

Education History



Master of Science in Computer Science

Institution: Stevens Institute of Technology

Sep. 2024 - Dec. 2025

[Courses so far]:

- Computer Organization & Programming
- Algorithms
- Fundamentals of Computing
- Agile Methods for Software Development
- Intro to Data Structures, and Algorithms
- Probability and Stochastic Processes I
- Intro to JAVA programming
- Mathematical Foundations of Machine Learning

Recommendation letters from my managers:

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Bachelor of Business Administration in Finance

Institution: Beijing Normal University, Zhuhai

Sep. 2016 - Jul. 2020

[Main Courses]:

- Calculus
- Linear Algebra
- Probability & Math Statistics
- Microeconomics
- Macroeconomics
- Financial Engineering
- Financial Accounting
- Business Statistics
- Principles of Management
- Financial Reporting Analysis
- Management Accounting
- Marketing
- Econometrics
- Public Finance
- International Settlement
- Business Negotiation
- Modern Enterprise Administration
- Research Method
- Planning of Capital Financing
- International Basic Business
- Personal Investment & Financial Management
- Financial Market & Institutions
- Investment Analysis and Management
- Risk Identification & Defense of International Business Law
- Management Information Systems
- Organizational Behaviors
- Corporate Finance
- International Financial Management
- Business Communication
- Commercial Banking
- Tax planning
- Contract Law
- Commercial Law
- Modern Workplace Business Etiquette
- Cross-disciplinary Comprehensive Training
- Creative Thinking Training

My projects



1. Software Engineering & Data Science for YouTube Analytics

Description: Developed a Python-based desktop GUI application to analyze my youtube channel.

Key Features:

- Automated data retrieval from YouTube Data and Analytics APIs
- Interactive data visualizations (bar charts, scatter plots, heatmaps) using Matplotlib and Seaborn.
- GUI built with Tkinter, including a scrollable log and an embedded plotting panel.
- Open-sourced the project on GitHub: <https://github.com/dearymj/youtube-analytics-desktop>

Project Summary:

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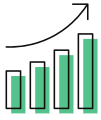
Relevant Skills

- Software Engineering
- Data Science
- Data Visualization
- Social Media Analytics
- Python

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2. Quantitative Research - JPMorgan Chase & Co.

Description: Developed data-driven models for pricing, risk management, and financial analysis in energy and banking sectors using programming, statistics, and machine learning.

Key Features:

- Create a tool to analyze and extrapolate natural gas prices for accurate storage contract pricing.
- Create a pricing model to value natural gas storage contracts.
- Build a model to predict loan default probability and calculate the expected loss.
- Create optimized FICO score buckets to predict loan default probabilities accurately.

Project Summary:

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Relevant Skills

- Software Engineering
- Data Science
- Data Visualization
- Dynamic Programming
- Python
- Financial Modeling
- Machine Learning
- Statistics



3. Technology Software Development - Citi

Description: Designed and implemented software solutions for Citi's loan management and financial systems, focusing on credit risk modeling, data visualization, and real-time analytics.

Key Features:

- Create a UML state diagram for Citi's loan management system.
- Draft a credit risk modeling proposal for Citi's loan management system.
- Develop an application using Java, Gradle, and APIs to query the DIA price.
- Update the program to display a real-time line chart of the Average DIA ETF's price.

Project Summary:

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Relevant Skills

- Software Engineering
- System Design
- Risk Assessment
- Java
- Data Visualization
- Machine Learning



4 Cybersecurity Engineering - Goldman Sachs

Description: This project analyzes password security by identifying vulnerabilities through hash cracking while implementing a secure authentication system using bcrypt, HMAC-peppering, and SQLite for password storage.

Key Features:

- Analyze password security by attempting to crack stored hashes, assessing weaknesses, and recommending improvements.
- Securely hashes passwords, stores them in SQLite, and verifies authentication using bcrypt and HMAC-peppering.

Project Summary:

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Relevant Skills

- Cryptography
- Python
- SQL
- Database Management
- DevOps
- Full-Stack Development

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Languages

[English] - Native or bilingual proficiency

[Mandarin] - Native or bilingual proficiency

[Cantonese] - Native or bilingual proficiency

[Japanese] - Professional working proficiency