

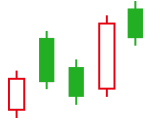
Mingjing Yuan

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.

More information:

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Contact: y531288933@outlook.com | 347-254-2003

New York City Metropolitan Area (Open to relocation)

GitHub: <https://github.com/dearymj>

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>

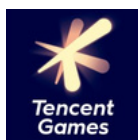
- Have been working with the Canadian team, the German team, the English team, the Chinese team, and the LATAM team.
- Develop scripts for game controller functionality using Python.
- Utilize tools like Revolution Database Master to retrieve and edit game databases, as well as creating mods with Maya, 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.

More information:

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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

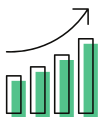
Institution: Beijing Normal University, Zhuhai

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. 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 Points:

- 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.
- Open-sourced the project on GitHub: <https://github.com/dearymj>

Project Summary:

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

Relevant Skills

- Dynamic Programming
- Python
- Data Visualization
- Risk Assessment
- Financial Modeling
- Machine Learning
- Pandas & NumPy
- GitHub
- GUI
- Statistics
- Algorithm Design



2. Web Development - My blog [<https://my-blog-v2p4.onrender.com/>]

Description: This is a full-stack web application that demonstrates modern web development techniques, from a dynamic, responsive front-end to a simple Express-based back-end API. This project showcases my ability to integrate multiple technologies—HTML, CSS, JavaScript with jQuery and Select2, Node.js/Express, and automated testing—to build a cohesive, interactive website.

Key Points:

- Developed a full-stack blog using HTML, CSS, and JavaScript (with jQuery) for a dynamic, responsive UI.
- Built backend APIs with Node.js and Express for comment submission and retrieval.
- Implemented AJAX-based dynamic data loading (Select2 for countries) and theme toggling.
- Integrated automated testing (Jest, Supertest) and managed deployment with version control.
- Open-sourced the project on GitHub: <https://github.com/dearymj/MyBlog.git>

Project Summary:

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Relevant Skills

- HTML
- CSS
- JavaScript
- Automated Testing
- Deployment
- jQuery
- Node.js
- Express
- Version Control
- Github
- RESTful API Design
- AJAX
- Dynamic Data Loading
- Debugging



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 Points:

- 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.
- Open-sourced the project on GitHub: <https://github.com/dearymj/FinApp.git>

Project Summary:

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Relevant Skills

- Java
- UML
- APIs
- Written Communication
- Machine Learning
- Database
- Data Visualization
- Github
- Risk Assessment
- System Design
- Gradle

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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 Points:

- 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.
- Open-sourced the project on GitHub: <https://github.com/dearymj/SecurePass.git>

Project Summary:

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

Relevant Skills

- Cryptography
- SQL
- Penetration Testing
- Python
- Database
- Risk Assessment
- Github



5. Software Engineering & Data Science for YouTube Analytics

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

Key Points:

- 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

- Python
- Social Media Analytics
- GUI
- APIs
- Pandas & NumPy
- Content Strategy
- Data Visualization
- Matplotlib & Seaborn
- GitHub

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Licenses & certifications



1. Develop GenAI Apps with Gemini and Streamlit - Google Cloud

Key Points:

- Gemini for Application Developers
- Gemini for Cloud Architects
- Gemini for Data Scientists and Analysts
- Gemini for Network Engineers
- Gemini for Security Engineers
- Gemini for DevOps Engineers
- Gemini for end-to-end SDLC
- Develop GenAI Apps with Gemini and Streamlit

Project Summary:

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Relevant Skills

- Application Development
- Vertex AI
- Google Cloud
- Streamlit
- Python
- Generative AI



2. Prompt Design in Vertex AI - Google Cloud

Key Points:

- Learned Generative AI basics, its uses, and Google tools for development.
- Learned about LLMs, their use cases, prompt tuning, and Google tools for Gen AI development.
- Learned about responsible AI, its importance, and Google's 7 AI principles.
- Learned prompt engineering, image analysis, multimodal generative techniques, and using Gemini models in Vertex AI.

Project Summary:

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Relevant Skills

- Prompt Engineering
- Vertex AI
- Google Cloud
- Artificial Intelligence
- Gemini APIs
- Generative AI



3. Quantitative Research Job Simulation - JPMorgan Chase & Co.

- Described in My Project.



4. Technology Software Development Job Simulation - Citi

- Described in My Project.

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5. Cybersecurity Engineering Job Simulation - Goldman Sachs

- Described in My Project.



6. Product Management Job Simulation - Electronic Arts (EA)

Key Points:

- Completed a job simulation where I developed a solid understanding of different KPIs, and selected the most appropriate KPIs for measuring and assessing specific business problems related to a strategy RPG mobile game.
- Demonstrated my knowledge of key performance indicators within the video game industry.
- Broke down tasks for creating a data-driven video game presentation.

Project Summary:

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Relevant Skills

- KPIs
- Problem Solving
- Critical Thinking
- Project Planning
- Performance Metrics

Languages

[English] - Native or bilingual proficiency

[Mandarin] - Native or bilingual proficiency

[Cantonese] - Native or bilingual proficiency

[Japanese] - Professional working proficiency