

Mary Liu

Founder, Motion Trade

New York City, NY, United States | [LinkedIn](#) | [X](#) | [GitHub](#)

AI-native prediction market and developer products entrepreneur. Built Motion Trade to \$780+ users in one year; previously scaled developer ecosystems at Celestia Labs and advised early-stage deep-tech founders on go-to-market strategy.

EXPERIENCE

Founder Jul 2025 — Present
motionmarkets
Data.

Founder May 2025 — Jun 2026
Internet Motion, Inc *Remote*
Founded and engineered Motion Trade, an AI-native prediction-market intelligence platform. Built production systems for entity discovery, market linking, and real-time market data delivery using TypeScript, Node.js, PostgreSQL, Redis, Vercel, and Fly.io. Raised a pre-seed round and grew the platform from zero to over 780 users, owning strategy, architecture, and product end-to-end.

Advising May 2024 — Jul 2025
Stealth Startup *New York, United States*
Advised 10+ clients on GTM motion, companies ranged from Pre-Seed, Seed, and Series A startups. EZKL, Open Gradient, Perpl, and Liquid, among others. Grew to \$500k ARR.

Freelance Apr 2024 — May 2025
Independent Consultant *Remote*
Grew independent advisory practice to \$500k+ in consulting revenue advising early-stage deep-tech startups on developer-first product strategy, go-to-market positioning, and product launches. Led product launches end-to-end for clients including OpenGradient, Aionex, Doppler, EZKL, and Liquid. Recruited and hired product engineers, solutions engineers, and community leads. Supported seed fundraises from a16z, SALT, Coinbase, and strategic angels.

Strategy - Business Development Oct 2022 — Apr 2024
Celestia Labs *New York, United States*
Architected and executed developer ecosystem activation strategy for global infrastructure platform. Managed product solution timelines and technical onboarding for external development teams across block explorers, mempools, fee markets, rollup services, and inference networks. Co-led token launch team managing agreements with market makers, custodians, exchanges, and liquidity providers. Wrote developer onboarding and activation playbooks from scratch.

Fellow Aug 2021 — Jun 2022
All Raise *New York City Metropolitan Area*

Investment Associate Jul 2021 — Aug 2022
Galaxy Digital *New York City Metropolitan Area*
Sourced, conducted technical due diligence, and underwrote investments in venture and hedge funds across multiple sectors and strategies. Built relationships with 100+ founders and technical operators in emerging infrastructure projects. Constructed financial models to monitor portfolio company health. Executed investments end-to-end across twelve venture funds, six market neutral hedge funds, and three fundamental hedge funds.

Investor Aug 2020 — Jul 2021
Alumni Ventures *San Francisco Bay Area*
Investing in founders with a stage and sector agnostic approach. \$800M+ AUM.

Data Science Jun 2020 — Aug 2020
Democratic National Committee *Washington, District of Columbia, United States*
Built models to predict voter partisanship and participation. Helped Joe win 2020.

Research Associate Jun 2019 — Jun 2020
U.S. House of Representatives & The Brookings Institution *Washington DC-Baltimore Area*
Conducted data-driven policy research and statistical analyses of socioeconomic mobility using American Community Survey, Industry Tables, and occupational data. Produced policy briefs and data visualizations translating research findings into actionable policy recommendations for members of Congress, congressional staff, and state policymakers.

Research Scholar Mar 2019 — Aug 2019
The Data Science Institute at Columbia University *New York, New York*
Researched methods of predicting opioid outbreaks at the Mailman School of Public Health.

Co-Founder Oct 2018 — Jan 2021
Two X Ventures

Built a non-profit with my friends. Raised funding to facilitate digital literacy courses and donated over fifty laptops.

Software Engineer

JPMorgan Chase & Co.

May 2018 — Aug 2018

Greater New York City Area

Worked in Quantitative Research group within the Corporate and Investment Banking Division.

Financial Analyst

Columbia Technology Ventures

Sep 2017 — May 2018

Greater New York City Area

Work-Study Program supporting startups that emerged from Columbia's undergraduate and graduate programs.

Product Manager

Daughters Rising

Sep 2016 — Jun 2017

Chiang Mai, Thailand

Managed digital product launches. Coded in HTML, CSS, and Javascript. Taught HTML/CSS to Thai graduates of Chai Lai Orchid program. Managed digital product launch strategy for Chai Lai Sisters, the first indigenous women-led trekking venture in Thailand.

Research Intern

Lawrence Livermore National Laboratory

Jun 2015 — Aug 2015

Atmospheric, Earth, and Energy Division

Built models to predict dispersion of disease in urban landscapes.

EDUCATION

Tsinghua University

Master's degree in Schwarzman Scholarship

Schwarzman Scholarship

Sep 2019 — Jun 2021

Harvard Business School

Summer Venture in Management Program

One of 180 participants from a nationwide pool of more than 6,000 applicants.

Jan 2018 — Jan 2018

Columbia University in the City of New York

Bachelor's degree in Applied Mathematics

Magna cum laude, Full Tuition Scholarship

Sep 2015 — Jun 2019

United States Military Academy at West Point

Mathematics and Military History

Top 10% of Class, Four Semester Dean's List, Distinguished Cadet Award, General Omar Bradley Historical Research Fellowship

PROJECTS

Framework for self-improving prediction market trading agents, autopredict

Built autonomous AI agents in Python that analyze web data, generate trading signals, and iteratively refine their own strategies. Designed for developers building on prediction market protocols.

Multi-agent policy research system built on LangGraph, ai-policy-lab

Produces graduate-level research reports, structured source audits, and normalized public dataset manifests. Demonstrates practical agentic AI architecture for complex information synthesis.

Python meta-harness for Hermes benchmark evaluation, hermes-agent-metaharness

Evaluates and compares benchmark candidates, reads run archives, and automatically tracks the best-performing frontier. Supports deterministic mutation and search over candidates to surface stronger configurations.

CERTIFICATIONS

Kenan Fellowship, Columbia University

Nov 2017

Goldman Sachs Scholarship, Goldman Sachs Engineering

Sep 2017

Dean's Scholarship, Columbia University

Aug 2017

Distinguished Cadet Award, United States Military Academy at West Point

Aug 2016

General Omar Bradley Historical Research Fellowship, General Omar Bradley Foundation

May 2016

AP Scholar with Distinction, College Board

May 2013

President's Volunteer Service Award (Gold Level), President Barack Obama

Sep 2011

A Lesson of Leadership Written in Blood,

SKILLS

Python · Java · R · Research · Curriculum Development · Teaching · WordPress · Grant Writing · Peer Tutoring
· Matlab · TypeScript · SQL · LangGraph · LLM evals · Node.js · PostgreSQL · Redis · Vercel · Fly.io · Git ·
Product Strategy · Go-to-Market · Developer Ecosystems · Policy Research · Financial Modeling · Data Analysis ·
Intermediate Chinese · Conversational Spanish