

ZHENHAN CHEN

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SUMMARY

FinTech M.S. who builds quant models and ships working software. I know where major AI models excel and fail, how to chain them into verifiable pipelines, and how to aim them at real problems.

EDUCATION

Stevens Institute of Technology — Hoboken, NJ

M.S., Financial Technology & Analytics

May 2026

- **Coursework:** Statistical Learning, ML in Finance, Market Microstructure, Blockchain & DeFi, Data Visualization

B.A., Visual Art & Technology, Minor in Economics

May 2025

- Dean's List (5 semesters); Global Scholarship recipient

EXPERIENCE

HJM Capital LLC — Financial Analyst Intern (CPT), NJ

Mar 2026 – May 2026

- Covered off-hours sessions for a U.S.-focused buy-side fund: CME night open (ES, NQ, GC, CL), China A-share/HK open, SHFE metals and U.S. pre-market; flagged gaps, range breaks and volume spikes $>2\sigma$ over a rolling 20-day baseline to the PM.
- Wrote a cross-market case study on SHFE gold leading COMEX during the Asian session; summarized earnings calls, tagged sell-side research, built small Python tools, and analyzed Chinese policy news affecting positions.

Stevens Institute of Technology — Research Assistant to Prof. Justine Hervé, Hoboken, NJ

Aug 2024

- Supported the paper “When AI Gives Bad Advice: Critical Thinking in Human-AI Collaborations.”

Bank of East Asia — Marketing Intern, Shanghai

Aug 2023

- Reconciled and verified sales data for financial products; audited marketing-team reimbursements.

Cigna & CMB Life Insurance — Marketing Intern, Shanghai

Aug 2019 – Oct 2019

- Streamlined the team's reimbursement reporting workflow; flagged a copyright risk in corporate materials before release.

PwC — Accounting Intern, Shanghai

Feb 2017

- Analyzed financial data and presented meaningful insights to senior management.
- Maintained accurate, up-to-date financial spreadsheets and databases.

Lane Crawford — Warehouse and Sales Intern, Shanghai

Jun 2016

- Received and inspected incoming merchandise shipments; conducted regular inventory counts and reconciled discrepancies.
- Assisted in coordinating special projects and events that required inventory support.

Earlier: Key Club VP: led a month-long volunteer teaching trip to rural Guangxi, local education bureau Outstanding Award (2016) · English tutor (2023) · Kindergarten volunteer teacher (2014)

PROJECTS

Analyst Consensus Forecasting with a Reversal Index — M.S. Capstone, advised by Prof. Dragos Bozdog

Spring 2026

- Designed a Reversal Index scoring each analyst's accuracy on EPS-direction reversals and added it as a fourth factor to a published analyst-scoring model, using WRDS I/B/E/S detail forecasts (1.5 GB) for 78 large-cap U.S. stocks.
- Built an event-driven long-short backtest over 4,837 earnings announcements (2005–2024), then rebuilt the whole pipeline walk-forward to remove look-ahead bias, and reported how much of the in-sample edge survived.
- Invited by my advisor to present the research at an academic conference.

ML Stock Return Prediction — Statistical Learning

Fall 2025

- Trained OLS, Ridge, Lasso, LightGBM and a neural net on 890K stock-months (train 2009–2017, test 2018–2021); LightGBM led out-of-sample with IC 0.18, and its long-only top-100 portfolio had a Sharpe ratio of 1.23 before costs.

CongressChain — on-chain congressional trade tracker

Spring 2026

- Five Solidity contracts (Base Sepolia): registry, trade ledger, on-chain suspicion scorer, ERC-20, bounty vault; 18 Foundry tests.

AI Ad Campaign Studio — generative-AI web app

Spring 2026

- Built with AI coding agents: a FastAPI app chaining GPT-4o-mini, gpt-image-1, OpenAI TTS and fal.ai video models to turn a product brief into slogan, posters, voiceover and a 10-second ad; self-hosted on a Linux VPS.

SKILLS & INTERESTS

Programming: Python (pandas, scikit-learn, LightGBM, PyTorch), R (tidyverse, quantmod), Solidity, JavaScript, Swift

AI: GPT, Claude, gpt-image-1, Kling, Seedance; Claude Code and Codex for building and auditing code; multi-model pipelines

Tools: FastAPI, Streamlit, Foundry, Docker, Git, Linux/VPS, Cloudflare, WRDS, Adobe CC

Languages: English, Mandarin, Shanghaiese

Investing: Grew a personal account from \$8K to \$160K (2023–2025); now run a put-selling options strategy at ~50% annualized

Home lab: Whole-home VPN gateway (soft router + self-hosted VPS) so every device at my home in China can reliably reach AI tools and global financial websites; self-hosted game server; perler-bead pattern plugin

Interests: Woodworking, photography, D&D