

Samuel Chen

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EDUCATION

New York University Leonard Stern School of Business

Bachelors of Science in Business, Concentrations in Finance; Minor in Politics

New York, NY

Expected May 2028

- **Cumulative GPA:** 3.55/4.00
- **Relevant Coursework:** Advanced Topics in Modern Macroeconomics, Foundations of Finance, Data Model Analytics, Data Bootcamp, Information Technology, Managerial Accounting, Principles of Financial Accounting.
- **Honors and Organizations:** Point72 Academy National Case Competition (2024), Goldman Sachs Possibilities Summits (2025), Special Situations Investing Group: Special Situations Team, Stern Accounting Society: Mentee (2024), Capital One First Gen Focus (2025), Stern's Proud to be First Program (2024)

Stuyvesant High School

Advanced Regents Diploma

New York, NY

Graduated June 2024

- **Cumulative GPA:** 4.00/4.00; SAT: 1540

PROFESSIONAL EXPERIENCE

American Triple I

Investment Intern

New York, NY

June 2025 - Present

- Supported live infrastructure and energy transactions (renewables, water reuse, transport) by building and auditing three statement, DCF, and project-finance models to evaluate capital structure, coverage ratios, and downside sensitivities across ~\$8B+ in aggregate deal value.
- Drafted ~30+ investment memoranda and pitch decks summarizing transaction progress, valuation assumptions, and return mechanics—including hurdle rates, promote structures, and waterfall modeling—to accelerate internal approvals.
- Performed global market research across infrastructure, energy, and transportation sectors, tracking rate trends, commodity movements, and macro indicators to inform valuation and capital allocation decisions
- Forecasted public-company earnings by applying proportional growth analysis to historical revenue and margin trends, using quantitative ratios to project performance and assess valuation sensitivity.
- Managed internal CRM system (~500+ LP and deal records), improving fundraising visibility and cross-team coordination, reducing data errors by ~30% and expediting capital formation tracking.

New York University — Stern School of Business

Undergraduate Research Assistant – Housing Regulation & AI

New York, NY

February 2025 - August 2025

- Built a Python-based data pipeline leveraging Selenium, SerpAPI, and ChatGPT to automate extraction of zoning and regulatory documents across ~1,000+ U.S. municipalities, accelerating dataset generation for policy and market analysis.
- Engineered a resilient web scraper for eCode360, overcoming dynamic structures and anti-bot protocols to source structured legal data at scale, enabling econometric modeling of zoning and housing constraints.
- Enhanced document classification precision by ~50% through metadata parsing and contextual verification, improving signal quality for downstream statistical and LLM models.

Outlier AI

AI Advisory Generalist

Remote

May 2024 - November 2024

- Evaluated ~1,000+ AI-generated outputs across multiple domains and optimized all prompts to enhance model precision, contextual accuracy, personalization quality, and response latency through iterative prompt-tuning and testing.

TECHNICAL PROJECTS

Blackjack Outcome Analytics Engine — Python, pandas, NumPy, matplotlib, seaborn

- Analyzed ~900+ blackjack hands to model probability distributions, outcome frequencies, and variance across player–dealer. Implemented exploratory and regression analysis to model conditional win, loss, and bust rates, using heatmaps and linear fits to identify equilibrium thresholds consistent with game-theoretic optimal strategy and decision-making under uncertainty.
- Incorporated Bayesian weighting to iteratively update outcome probabilities from prior hand distributions, enhancing precision.

Predictive House Valuation Model — Python, pandas, scikit-learn, seaborn

- Performed exploratory data analysis and correlation mapping to assess feature importance, mitigate multicollinearity, and train regression models with normalization, cross-validation, and error-metric evaluation to optimize predictive accuracy.

SKILLS & INTERESTS

- **Languages:** Fluent in written and spoken English & Mandarin
- **Technical Skills:** Proficient in Microsoft Excel, PowerPoint, Word, Python, SQL, Bloomberg Terminal, ChatGPT, Gemini
- **Interests:** Bayesian Decision-Making, Portfolio Optimization, LLMs, Estimathon, Poker, Blackjack, True Crime, Tennis