

# Samuel Chen

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## EDUCATION

### New York University Leonard Stern School of Business

New York, NY

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

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

New York, NY

Advanced Regents Diploma

Graduated June 2024

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

## PROFESSIONAL EXPERIENCE

### American Triple I

New York, NY

Investment Intern

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

New York, NY

Undergraduate Research Assistant – Housing Regulation & AI

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

Remote

AI Advisory Generalist

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, Esthimathon, Poker, Blackjack, True Crime, Tennis