

Nolan Hamilton

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EDUCATION

University of Pennsylvania | Philadelphia, PA

Major: Bachelor of Arts – Philosophy, Politics & Economics (PPE) | Minor: Statistics

Cumulative GPA: 3.86

Expected Graduation: May 2026

PROFESSIONAL EXPERIENCE

J.P. Morgan Chase & Co. | *Exotic Equity Derivatives (Volatility) Trading Summer Analyst* | New York, NY June 2025-August 2025

- Developed an Excel model to analyze a decade of M&A total deal volume by sector using Bloomberg M&A data, identifying key sector trends.
- Analyzed over \$1B US-based M&A deals since 2015 using Bloomberg data, examining spread statistics across NYSE/NASDAQ listings and cash vs. non-cash structures to uncover market inefficiencies and merger arbitrage trends.
- Presented delta-hedged HYG/LQD straddle trade for stagflation/Fed scenarios, integrating macro-economic catalysts with Greeks and scenario P&L.
- Built a dynamic “Vega-slide” risk dashboard in Excel that streams Bloomberg data to visualize option-level P&L sensitivity to spot moves, giving the desk instant visibility on Vega-risk exposure to individual options.
- Automated exotic-option RFQ processing in Python, calculating fair value, delta, margin %, and P&L, then emailing a completed quote sheet to traders for same-day sign-off—eliminating manual work and accelerating responses to Sales.
- Deployed two daily Python email bots: (1) daily SPX/NDX/RTY close blast, (2) index-vs-iNAV arb alert for traders.
- Engineered Excel options-pricing tools, including a Black-Scholes Greeks visualizer and P&L engines for Variance and Corridor Variance Swaps.

J.P. Morgan Chase & Co. | *Cross-Asset Quantitative Investment Strategies Summer Analyst* | New York, NY June 2024-August 2024

- Fulfilled a 10-Week Markets Summer Analyst Program in Multi-Asset Global Institutional Structuring, specializing in Quantitative Investment Strategies (QIS) within Equity Derivatives and Exotic Products under the Credit business.
- Presented a 30-bond custom basket high-yielding bond total return swap with a 40+% carry, leveraging index sector mean reversion and industry trends.
- Developed and presented index exposure strategies, including thematic bond basket sector trades, optimizing portfolio performance and recommending optimal execution strategies to the credit exotics team.
- Constructed and demonstrated Black-Scholes Options Pricing & Greeks Model to bridge theoretical finance and practical application to derivatives trading.
- Engineered an automated Excel model for the QIS team, streamlining the calculation and analysis of critical financial metrics (IRR, Sharpe Ratio, Max Drawdown etc.) across multiple timeframes for S&P 500 and SPGSCI indices.

J.P. Morgan Chase & Co. | *Credit Trading Summer Analyst* | New York, NY June 2023-August 2023

- Presented weekly corporate bond pitches to trading floor covering investment grade, high yield, distressed & special situations, as well as leveraged loans.

J.P. Morgan Chase & Co. | *Corporate & Investment Banking Summer Fellow* | New York, NY June 2022-August 2022

- Delivered Discounted Cash Flow and Trading Comparable valuation analyses for an Investment Banking case study.
- Ranked 6th out of 90+ interns in the trading simulation during the program.

ViableMkts | *Business Analyst, Fintech* | New York, NY March 2021-May 2022

- ViableMkts is a strategic consulting firm driving innovation in financial markets, specializing in cutting-edge fintech solutions and credit market structure advancements.
- Directed the marketing department of ViableEdu post-graduation, managing social media and authoring monthly newsletters.
- Recruited Private Equity firms to spearhead Viable Pipeline Recruitment Service.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

BlackGen Capital | *Chapter President* | Philadelphia, PA

August 2021-Present

- Elected to deliver BlackGen’s financial education curriculum for students pursuing finance careers at Penn, while implementing market and trading-focused content to complement its valuation-heavy focus.
- Teach equity research fundamentals, including stock pitching, valuation through Discounted Cash Flow models, and Leveraged Buyout analysis as part of the deal process.
- Guide students through the stock pitch process, providing hands-on training in financial modeling, valuation analysis, and investment thesis development.

ViableEdu | *Fintech Apprentice* | New York, NY

January 2021-March 2021

- Advised non-profit organizations on enhancing marketing strategies with ViableImpact.
- Presented research on the effects of COVID-19 on the entertainment industry on the Gen V podcast.

AFFILIATIONS & SKILLS

Skills: Microsoft Office (Excel, PowerPoint, Word) | Financial Edge Training | Bloomberg Terminal | Python | RStudio

Interests: Resistance Training | Blockchain | Independent Journalism | Mixed Martial Arts | New York Sports

Languages: Conversational in French