

# Bennett Preston

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## TECHNICAL SKILLS

<b>Programming languages:</b>	MySQL, Python, MATLAB, STATA, R
<b>BI and Visualization Tools:</b>	Tableau, MS Excel, PowerBI, MS PowerPoint

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## EDUCATION

<b>University of Connecticut</b> <i>Bachelor's of Arts in Economics</i>	Storrs, CT May 2024
<b>University of Texas, McCombs School of Business</b> <i>Online Post Graduate Certification in Data Science and Business Analytics</i>	Remote February 2025

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## WORK EXPERIENCE

<b>Algorithmic Trading Intern</b> <i>FinSentinal</i>	Remote February 2025 - Present
<ul style="list-style-type: none"><li>Developed, built, and deployed a fully automated live trading system for XAU/USD integrating macroeconomic sentiment and technical indicators using Python and IBKR API to achieve a 12.1% monthly return</li><li>Engineered real-time performance tracking and logging infrastructure (equity, drawdown, slippage, latency) with automated alerts for key risk events and an interactive dashboard for visual monitoring of live performance</li></ul>	
<b>Secretary</b> <i>Economics Society, University of Connecticut</i>	Storrs, CT October 2022 – December 2023
<ul style="list-style-type: none"><li>Organized 10+ professional events, boosting attendance by 15% YoY and expanding industry networking opportunities</li><li>Trained/supervised a team of 10+ employees, maintaining a 98% on-time setup rate and fostering a customer-first culture</li></ul>	

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## RESEARCH & ANALYSIS PROJECTS

<b>Dynamic Asset Allocation Strategy Optimization using Machine Learning</b>   <i>Python</i>	March 2025
<ul style="list-style-type: none"><li>Built a dynamic asset allocation strategy using machine learning to detect shifts in market sentiment by analyzing gold and bond price relationships</li><li>Automated allocation across SPY, TLT, and gold based on detected regimes achieving a Sharpe Ratio 32% better than SPY benchmark (buy&amp;hold) over 20 years of data</li><li>Reduced max drawdown by 57% while maintaining a competitive CAGR of 8.94%, demonstrating robust downside protection and regime adaptability</li></ul>	
<b>Analyzing Amazon Options Behavior Around Earnings</b>   <i>Python, SQL, Excel, Tableau</i>	January 2025
<ul style="list-style-type: none"><li>Scraped minute-level option chain data for AMZN using Polygon.io REST API; cleaned, aggregated, and filtered over 1M rows across FY 2024</li><li>Built a Tableau dashboard to visualize IV crush patterns, IV skew by strike price, and quarterly earnings impact on options pricing</li><li>Quantified a repeatable 26% IV expansion before earnings and 24% IV crush after earnings, enabling strategic timing for volatility based trades</li></ul>	
<b>Turkish Lira Geopolitical Risk &amp; Stress Testing</b>   <i>Python, Excel</i>	January 2025
<ul style="list-style-type: none"><li>Developed a Monte Carlo-based stress-testing framework to assess Turkish Lira depreciation under geopolitical shocks and refugee inflow scenarios</li><li>Simulated moderate to severe stress levels, with high-severity forecasts accurately mirroring TRY market disruptions driven by the Syrian civil war and regional instability</li><li>Designed actionable hedging strategies (forward contracts, currency options, safe-haven reallocations) to mitigate geopolitical-driven volatility and protect portfolio value</li></ul>	

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## CERTIFICATIONS

▪ Securities Industry Essentials (SIE), <i>expected May 2025</i>	▪ Tableau Desktop Specialist	▪ CFI Financial Modeling & Valuation Analyst
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