Eric J. Van Ness

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, GA**
B.S. Computer Science, Minor in Economics *May 2025*

- Concentrations: Intelligence and Modeling & Simulation **GPA: 4.00/4.00**
- **Relevant Coursework**: Machine Learning, Probability & Statistics, Data Structures & Algorithms, Differential Equations, Systems and Networks, Algorithm Design and Analysis, Intro to AI, Combinatorics, Multivariable Calculus, Discrete Math

EXPERIENCE

Citadel Securities | Quant Trader Intern | New York, NY + Miami, FL *June – August 2024*

- 1st Desk: Intl. Equities – Used Python (Bloomberg/Scikit-learn) and SQL to classify high-probability GMOCs (100% precision, 99% accuracy) and closing auction impact, scripted job to send an email report of notable overnight GMOC trades
- 2nd Desk: Semi-Systematic Equity Options – Designed a full-stack Early Exercise Dashboard application in 3 weeks with Python (Plotly/Dash/NumPy/Pandas), Javascript (React), SQL, and CSS which was deployed to production
- Programming: 30-lecture learning series and tests, electronic and open-outcry mock trading, poker, board gaming

Goldman Sachs | Quant Strategist Summer Analyst | New York, NY *June – August 2023*

- GSAM QIS (Goldman Sachs Asset Management - Quantitative Investment Strategies) – Core Strats Team
- Used Python (Pandas/Plotly) and SQL to research historical performance of proprietary and competitor funds, and create a prioritization framework for dedicating team resources toward improvement of systematic fund construction and execution

Georgia Tech Foundation | Quant Investments Intern | Atlanta, GA *January – May 2023*

- Develop analytics and leading indicator market insight tools for $2,400M school endowment
- Backtest options trading strategy with FactSet, Python and Excel for $60M Risk portfolio to engage in proprietary trading

LEADERSHIP

GTSF Investments Committee *November 2021 – Present*
Senior Financial Director, GTSF Board of Trustees

- Act as primary fiduciary of the GTSF portfolio ($2.5M AUM), the largest solely student-run philanthropic endowment fund

Director of the Portfolio, Investments Decisions Group

- Develop and maintain tools related to portfolio performance and allocations using Python and Excel (VBA)

Head of Quant Research, Quantitative Sector

- Managed $50k Quant Trading portfolio, oversaw ~25 analysts and development of two algorithmic trading strategies

Quant Analyst, Quantitative Sector

- Used Bloomberg Terminal, Excel, and Python to create and backtest VC2-based trading algorithm managing $20k in assets, the first algorithmic strategy given an allocation the Investments Committee's history (see Trading Strategy in Projects)

Student Government Association *January 2023 – Present*
Chief Justice

- Serve as primary spokesperson and contact for UJC, the court with supreme appellate jurisdiction in student government
- Lead ~25 justices hear appeals cases referred to the Dean of Students and interpret all governing documents of the school
- Oversee, coordinate, and mediate trial proceedings while adjudicating potential violations of the university's honor code

Recruitment Chair, Undergraduate Judiciary Cabinet

- Managed new member pipeline for 7 new justices, overseeing scheduling and logistics to ensure a smooth process

Phi Delta Theta Fraternity — *Treasurer* *November 2022 – Present*

- Manage $500k annual budget, maintaining financial records and ensuring accounts are balanced

PROJECTS

LLM Event Planning Web Application

- Leveraged OpenAI and Streamlit Python libraries to create a full-stack chatbot web app utilizing the ChatGPT-3.5 API

Value-Oriented Quantitative Trading Strategy

- Created a relative valuation strategy that routinely purchases top securities in SPX based on weighting fundamental ratios
- Instrumented a 10-year backtest generating a 21.36% AROI, 16.33% Vol, and 1.31 Sharpe Ratio
- Engineered Monte Carlo simulation to determine future return distribution vs. SP500TR and achieved 64.4% outperformance

SKILLS

Languages – Java, C++, **Excel**, **SQL** (MySQL/Sybase IQ), **JS** (React), **Python** (NumPy/Pandas/Scikit-learn/Plotly/Dash/OpenAI)
Technologies – Git, REST APIs, VSCode, Conda, Bloomberg Terminal, JSON, OpenAI, Jupyter Notebooks
Certifications – Microsoft Technology Associate: Software Development Fundamentals, Bloomberg Market Concepts
Awards/Recognition – National Merit Scholar, Valedictorian of class of 683