ZACHARY JONES

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EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY Hoboken, NJ

Bachelor of Science May 2024

   Major in Quantitative Finance; Concentration in Finance and Economics
   Cumulative GPA: 3.24/4.0; Dean's List 2020 – 2024
   Coursework: Corporate Finance, Market Microstructure and Trading, Time Series Analysis, Financial Engineering

TECHNICAL SKILLS

Programming: Python (pandas, numpy), SQL, R
Analytics: Forecasting, anomaly detection, regression modeling, statistical testing, time series analysis
Reporting: Excel (PivotTables, Solver, VBA), Tableau, PowerPoint
Tools: Cloudability, Azure cost reporting, Bloomberg Terminal
Certifications: Bloomberg Market Concepts

WORK EXPERIENCE

UNITED PARCEL SERVICE Parsippany, NJ

Technician II (Cloud Analytics / Reporting) May 2025 – Present

- Built and maintained Cloudability dashboards tracking Azure cloud spend, enabling department-level reporting by cost category, service type, and organizational ID
- Automated cost anomaly detection reporting to identify overspending and unusual usage patterns, improving financial visibility for key stakeholders
- Delivered recurring reporting workflows and presented findings to internal leadership, improving accountability and decision-making around cloud resource usage
- Developed a Python automation script to audit 150+ machines and generate Excel pivot-table summaries, reducing audit time from 2 hours to 3 minutes

HAIR LUXE Cresskill, NJ

Financial Operations Analyst Apr 2020 – May 2025

- Performed monthly budget tracking and variance review, reducing expenses by 15% through data-driven cost optimization
- Designed Excel/VBA models to support forecasting, scenario analysis, and capital planning decisions
- Automated recurring financial reporting processes, saving 10+ hours per month and reducing reporting errors
- Conducted ROI analysis on technology upgrades and vendor services to support investment decisions

DATA ANALYST PROJECTS

QUANTITATIVE PRICING & MARKET INEFFICIENCY ENGINE (Python, SQL) Aug 2024

- Coded a Python analytics pipeline (2,300+ lines of code) to ingest real-time odds data, store structured results in SQL, and compute fair market prices by devigging benchmark lines
- Devised a rules-based pricing framework comparing sharp-market reference odds against retail books to surface positive expected value (+EV) opportunities
- Implemented real-time alerting via Discord integration, enabling immediate notification of pricing discrepancies across moneylines, spreads, totals, and player props

NAÏVE BAYES MARKET CRASH CLASSIFIER (R) May 2024

- Trained a Naïve Bayes classifier to predict monthly market crash conditions using macro indicators (VIX, inflation, unemployment) from 1985–2023
- Engineered a binary crash classification label and addressed class imbalance via undersampling
- Achieved 74% out-of-sample accuracy and backtested strategy performance against buy-and-hold baseline

FAMA-FRENCH MULTI-FACTOR MODEL EXTENSION (R / Regression / PCA) May 2023

- Extended the Fama-French 3-Factor model using momentum, liquidity, sector, and PCA-based factors
- Assessed 101 portfolio regressions using OLS and GRS testing to evaluate factor significance and explanatory power
- Applied backward stepwise selection, finding simpler factor sets often outperformed complex models

BANK OF AMERICA VALUATION MODEL (DDM + Comparable Multiples) Dec 2022

- Established a 2-stage dividend discount model and valuation framework using forward dividend growth and terminal yield
- Benchmarked BAC against JPM/WFC/MS using valuation multiples (P/E, PEG, CAPE) and risk metrics
- Presented a buy thesis supported by macro catalysts including interest rate sensitivity and deposit strategy