

David Salazar

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EDUCATION

University of Texas at Dallas

Bachelor of Science in Finance, Investment Concentration

Relevant Coursework *Statistics, Financial Modeling, Introduction to Finance*

San Jacinto College

Dual Enrollment Coursework

Richardson, TX

Aug. 2024 – May 2028

Pasadena, TX

Aug. 2022 – May 2024

PROJECTS

Portfolio Risk Engine | *Python (pandas, NumPy), LSEG Eikon*

Dec. 2025 – Present

- Built a modular Python-based portfolio risk engine computing historical VaR, CVaR, Sharpe ratio, beta, and covariance-based volatility across multi-asset portfolios (SPY, TLT, GLD, TSLA) over a 5-year horizon
- Integrated LSEG Eikon for institutional-grade market data ingestion, replacing retail APIs with dividend-adjusted total return data to ensure accurate yield-inclusive performance measurement
- Quantified cross-asset relationships and market sensitivity via correlation matrix and beta calculations, using SPY as a market benchmark
- Implemented input validation across all portfolio functions to guard against weight mismatches and invalid confidence levels, reducing silent computational errors
- Stress tested a multi-asset portfolio via historical scenario analysis (COVID-19), revealing average tail loss (ES) to be 7.2% versus 3.3% over the 2020-2025 baseline. Visualized using matplotlib.

Personal Portfolio Website | *Next.js, Tailwind CSS*

Jan. 2026 – Present

- Built responsive portfolio site using Next.js and Tailwind CSS to showcase projects and technical skills
- Deployed website using Vercel

EXPERIENCE

Stocking Associate

May 2025 – Aug. 2025

Walmart

La Porte, TX

- Unloaded full inbound truck trailers and stocked grocery merchandise in a fast-paced retail environment
- Worked with a 6-person team to meet strict time targets during inbound freight operations
- Scanned and tracked dairy and frozen pallets to support inventory accuracy
- Remained beyond scheduled hours as needed to complete unloading and stocking tasks

Volunteer

Aug. 2024 – Dec. 2024

Windmill Stables

Richardson, TX

- Assisted with daily care and handling of horses while following safety procedures
- Supported facility operations through cleaning, organization, and upkeep

ACTIVITIES

Clubs: ColorStack | Toastmasters UTD | UTD Rock Climbing Club

TECHNICAL SKILLS

Programming Languages: Python

Data Analysis: Excel (Pivot Tables, XLOOKUP), LSEG Eikon, Capital IQ

Python Libraries: pandas, NumPy, SciPy, matplotlib

Tools: Git, GitHub, Jupyter Notebook, LaTeX (Overleaf)

ADDITIONAL

Languages: English (Fluent), Spanish (Native)

Work Authorization: Authorized to work in the U.S. without sponsorship

Location: Open to relocation