Mike Ryu

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o Senior Analyst with a background in finance/accounting and a certificate in FinTech from Northwestern
o Experienced in developing automated solutions to support the reporting needs of an organization
o Insatiable intellectual curiosity with proficiency in financial ratios, modeling, and forecasting

Technical Skills

Tools - Python, Pandas, Monte Carlo Simulations, Logistic Regression, SQL, NumPy, SciPy
Applications in Finance – Blockchain, Solidity, Ethereum, Smart Contracts, Truffle Suite, Gnanche, Bloomberg
Applications in Accounting - Geneva, Workstation, Total Return, GoSystem RS, K-1G, iPacs, CCH, Corptax

Projects

NBA Playoff Indicator | https://github.com/willhua531/Final/tree/main/final%20project%20master
Fitting/Machine Learning
- Utilizing machine learning to predict NBA Playoff results with prior year's data
- Tested various models to determine accuracy with GUI output of each team's results (Random Forest, Decision Tree, Gaussian & Logistic Regression)
- Language: Python | Libraries: pandas, numpy, itertools, tkinter, sklearn

Algorithmic Trading | https://github.com/willhua531/Group3-Project2
- Trading based on technical indicators for stocks and crypto (Relative Strength Index, Simple Moving Average & Bollinger Bands)
- Applied Random Forest and Naïve Bayes Classifier for comparison to Market with GUI outputs
- Language: Python | Libraries: pandas, numpy, yfinance, hvplot, sklearn

Bitcoin Volatility | https://github.com/jjparrae97/Project-1
- Analyzing Bitcoin's volatility to each country's local currency and determining GDP impact
- Compiled Bitcoin's Price Index, historical values, exchange rates and trade volume for 5-year analysis to country's GDP with dashboard output
- Language: Python | Libraries: pandas, panel, numpy, seaborn, matplotlib

Work Experience

Senior Contract Analyst, GTCR LLC   *May 2021 – Present*
Chicago, IL
o *Analyzed monthly and quarterly KPI, IRR, Waterfall & Valuation Reports for Investment Committee to base future investment decisions.*
o *Compiled entire history of firm's LP NAVs through interim financial statements for time series analysis.*
o *Prepared Advisory Board and Pitchbook presentations for upper management during fundraising period.*

Senior Contract Underwriter, Capital One   *January 2021 – May 2021*
Chicago, IL
o *Processed over 400 PPP loans for small to midsize businesses based on SBA funding.*
o *Trained associates through underwriting approval process utilizing nCino.*

Contract Investment Accountant, U.S. Bank   *June 2020 – September 2020*
Chicago, IL
o *Prepared private debt financial statements to Private Equity investors on a month end basis.*
o *Compiled and sent monthly operating expenses, capital calls & distributions notices for multiple clients.*

Contract Tax Accountant, Shepard Schwartz & Harris   *February 2020 – April 2020*
Chicago, IL
o *Provided tax compliance services for Investment partnerships and corporations.*
o *Prepared 1120 Federal Returns and Schedule K-1s*

Senior Accountant, SS&C Technologies   *May 2019 – December 2019*

Chicago, IL
- Performed multiple account reconciliation entries while maintaining accrual and expense accounts on a daily, monthly and quarterly basis.
- Delivered monthly NAVs & Scripted data for import into Total Return, increasing efficiency of monthly deliverables by automating duplicate data sets.

Hedge Fund Consultant, Northern Trust   *August 2018 – April 2019*

Chicago, IL
- Prepared month end financial statements to investors regarding P&L as well as projections into next month.
- Compiled monthly operating expenses for multiply funds along with reconciliation of topsides from prior month.

Tax Consultant II, Deloitte Tax LLP   *July 2016 – April 2018*

Chicago, IL
- Provided Partnership & corporate tax compliance services for multinational corporations.
- Prepared federal, state returns and quarterly estimates.
- Facilitated tax research implications for high net worth individuals and family offices.

Education

BS, *Accountancy, University of Illinois at Urbana Champaign*   *2011 – 2015*
GPA: 3.51

Northwestern Bootcamp   *July 2021*
Certificate, Fintech