Rebecca Zamsky

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Education

Lehigh University, Bethlehem PA
Bachelor of Science in Business & Economics
Major: Finance, Minor: Data Science

Expected graduation: May 2024
GPA: 3.31
Achievements: Dean's List

Relevant Courses: Advanced Corporate Finance, Derivatives and Risk Management, Investments, Global Finance, Intermediate Macroeconomics, Intro to Machine Learning, Data Science, Statistical Computing, Programming and Data Structures

Skills

Programming languages: Python 3.7, Microsoft Excel 365, Java 1.9, R 4.0.3, Access, Microsoft PowerPoint
Software Packages: Pandas, Numpy, statsmodels, Matplotlib, scikit-learn, yfinance, alpha vantage
Development Environments: Jupyter Notebook, PyCharm, IntelliJ, R Studio

Professional Work Experience

Jefferies Financial Group, New York, New York
Equity Research Summer Associate   June 2023 – August 2023

- Updated financial models (e.g. income statements, balance sheets, and cash flow statements) after quarterly earnings release. Reviewed and altered current year projections based off modifications.
- Utilized python to run random forests regression to project certain macro variables, and used those results as inputs for a multivariable linear regression to predict sales and gross margins for all 47 coverage companies.
- Based on prior projections, created a mark to markets to predict EBITDA and FCF. Compared those predictions to consensus estimates.
- Actively participated in earnings calls and published well-written research notes based on current analysis and comparison to previous financial projections
- Utilized Excel to construct financial analysis on given equities. Delivered a stock pitch based off analysis to equity research management and employees in the sales and trading department.

Manole Capital,
Investment Intern   June 2022 – August 2022

- Researched various equities and analyzed their financial statements for valuation purposes.
- Constructed financial models for individual equties utilizing the research previously conducted
- Published a well-written research note from information obtained from the equity research and financial models

Lehigh University, Department of Financial Engineering
Research Associate   May 2021 – May 2022

- Researched methodologies used by major indices on handling mergers and acquisitions as well as weighting company valuation. Assessed the benefits and drawbacks of the market-capitalization and free-float methods.
- Utilized Bloomberg Terminal to research and extract common stock information.
- Developed Python components to retrieve information on equities from Alpha Vantage API based on specification provided by the project manager. Converted csv with financial information to Pandas dataframes.

Investment Management Group
Executive Board Member   September 2020 - Present

- Organized and lead stock pitches on companies including Vistra Corp, Walmart, Abbot Corporations, Lowe's, Walmart, Oracle, Alphabet Corporation, Horizon Therapeutics, The Southern Company, and Planet Fitness
- Constructed quantitative models in excel and predicted future returns on individual equities using the discounted free cash flow as well as multiples approach.
- Presented weekly updates on the energy sector as part of the IMG Analyst program.

Additional Experience

Math Tutor, NJ   September 2019 – Present
Self-employed

- Assisted students with homework, explained challenging concepts, encouraged critical thinking and creativity.

Campus Involvement

- Finance Club, Women in Business, Kappa Alpha Theta Fraternity, Mock Trial, Hillel, Chabad, LU Dancing