EMILY SHTEYNBERG

es5696@stern.nyu.edu | (646) 689-7550 | New York, NY

EDUCATION

New York University, Leonard N. Stern School of Business   **New York, NY**
Intended B.S. in Business (Statistics Concentration) and Mathematics   *Class of 2027*
GPA: 4.0 | **Honors:** Berkley Achievement Scholar | **Positions:** Grader (Calculus I, Fall 2024)
Relevant Coursework: Forecasting Time Series Data; Theory of Probability; Discrete Mathematics; Calculus III; Linear Algebra; Statistics for Business Control; Regression and Forecasting Models; Foundations of Finance
In Progress: Analysis; Introduction to Stochastic Processes; Operations Management

Staten Island Technical High School   **Staten Island, NY**
NYS Advanced Regents Diploma with Honors, Mastery in Math and Science   *Sept 2019 – June 2023*
GPA: 99.3% | SAT: 1570 | Honors: National Merit Finalist; AP Scholar with Honor; National Honor Society

PROFESSIONAL EXPERIENCES

Icahn School of Medicine at Mount Sinai   **New York, NY**
Polygenic Risk Score (O'Reilly) Lab Research Intern   *May 2024 – Present*
- Compare performance of regularized regression shrinkage and selection methods (lasso, ridge, elastic net) and machine learning algorithms (XGBoost, random forest) on simulated data with varied noise and multicollinearity structures in R
- Explore applications of shrinkage methods for mitigating Winner's Curse (inflation of SNP effect size estimates) in the calculation of polygenic risk scores from genome-wide association studies (GWAS)

National Aeronautics and Space Administration (NASA)   **Washington, D.C.**
Planetary Science Division Research Intern   *June – Aug 2023*
- Quantified science productivity of NASA's Data Analysis Programs (DAPs) for comparison to that of mission science teams during prime and extended missions
- Identified trends in publication rates and grant popularity across DAPs for 6 planetary science missions spanning 14 years, and presented results and recommendations for future projects to senior leadership
- Displayed poster at the 2024 Lunar and Planetary Science Conference (LPSC)

EXTRACURRICULAR ACTIVITIES

Stern Program for Undergraduate Research   **New York, NY**
Research Assistant for Professor Gavin Kilduff   *Sept – Dec 2024*
- Scraped and wrangled Twitter data, generated visualizations, and performed sentiment analysis and text mining with R
- Designed surveys and experimental setups to examine the effects of play on team dynamics and work performance, and assisted with data analysis, literature review, and revising research papers for publication

Research Assistant for Professor Jungkyu Suh   *Feb – May 2024*
- Identified in-house science research conducted by venture capital (VC) firms and their portfolio companies to analyze determinants of science at VC-backed startups
- Collected data from RCA Corporation organizational charts to understand the evolution of corporate research and management organization

Quantitative Finance Society   **New York, NY**
Long/Short Analyst   *Oct – Dec 2023*
- Pitched public equities for a $10mm paper money fund and wrote investment research reports highlighting industry trends, catalysts, risks, and competitive dynamics
- Supported findings with discounted cash flow (DCF), comparable companies analysis, multiples valuation models
- Participated in seminars covering options, derivatives, fixed income, currencies, valuation, accounting, and quantitative trading strategies

SKILLS & INTERESTS

Languages: English (Native), Russian (Native)
Technical: R, JavaScript, HTML/CSS, Python, JASP, Microsoft Office, Revit, AutoCAD Certified
Interests: Biking, Seinfeld, Opera, Art Museums, Jigsaw Puzzles, Tagliatelle Pasta