

# Poorva Arora

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## EDUCATION

### **Princeton University**

*Masters in Finance*

Princeton, NJ

August 2021 – May 2023

Anticipated Coursework: Asset Pricing, Statistical Analysis of Financial Data, Financial Econometrics, Forecasting and Time Series Analysis, Corporate Finance and Financial Accounting, Portfolio Theory and Asset Management

### **Vanderbilt University**

*Bachelor of Engineering in Chemical Engineering, Summa Cum Laude*

Nashville, TN

August 2013 – May 2017

Minors: Engineering Management, Mathematics, Chemistry

Cumulative GPA: 3.95/4.00 | Cornelius Vanderbilt Scholarship Recipient: 4-year full tuition and summer program stipend

## WORK EXPERIENCE

### **Goldman Sachs**

New York, NY | London, UK

*Associate – Strategic and Quantitative Asset Allocation, Investment Strategy Group (ISG)*

July 2019 – July 2021

- Developed customized asset allocation solutions for Private Wealth Management's (PWM) clients, including High-Net-Worth individuals and small to mid-size institutions.
- Analyzed and optimized client portfolios using ISG's quantitative multi-factor optimization model in Python, incorporating relevant parameters such as risk tolerance (volatility), performance targets, return uncertainties, and tax considerations.
- Simulated the downside risks, including market and liquidity risks, and expected long-term performance of portfolios to help clients quantify their ability to meet their wealth objectives, net of inflation, spending, and other liabilities.
- Collaborated with Private Wealth Advisors (PWAs) to present strategic portfolio research and asset allocation guidance at meetings with current and prospective clients.
- Contributed to research initiatives on strategic portfolios via statistical methods such as: regression analysis, performance and benchmarking analysis, drawdown analysis, and Monte Carlo simulations.

### **Goldman Sachs**

New York, NY

*Senior Analyst – Credit Trading, Market Risk Management and Analytics*

May – August 2016; July 2017 – June 2019

- Analyzed market risk metrics in the Global Credit Trading business to identify and escalate significant exposures, risk concentrations, and emerging risks to the trading desks and senior risk leadership.
- Performed stress test analysis on multi-asset portfolios to identify and quantify vulnerabilities in adverse market scenarios and lead discussions with the businesses on their risk profile and management.
- Monitored macro and micro financial events and proactively quantified their potential impacts on profit and loss in the Credit Trading business.
- Allocated risk capacity, enforced limits, and conducted hedge effectiveness analysis for Volcker compliance, per the firm's risk appetite and the business' market making opportunities.
- Developed automated risk analysis tools via Slang (proprietary coding language) to comprehensively monitor risk factors and relevant market signals for the business' exposures across credit products.

## RESEARCH EXPERIENCE

### **Vanderbilt University**

Nashville, TN

*Research Assistant, Bardhan Nanophotonic Materials Research Laboratory*

January 2014 – April 2016

- **Publications:** Plasmon Enhanced Water Splitting Mediated by Hybrid Bimetallic Au-Ag Core-Shell Nanostructures (Nanoscale 2014); Enhancement in Organic Photovoltaics Controlled by Interplay between Charge Transfer Excitons and Surface Plasmons (American Chemical Society Omega 2016)

### **National University Singapore**

Singapore

*Summer Engineering Research Internship for US Students (SERIUS), Environmental Research Institute*

May – July 2015

- Project: Anaerobic Digestion of Food Waste. Researched, designed, and built systems to convert food waste into biogas, a renewable form of energy, via biological processes.

## LEADERSHIP & COMMUNITY SERVICE

### **Vanderbilt Student Volunteers for Science (VSVS)**

Nashville, TN

*Community Outreach Chair*

September 2013 – December 2016

- Spearheaded a 5 member committee in planning and executing 15 annual Outreach events aimed at inspiring STEM careers for middle school students in the Nashville community via demonstrative science experiments.

### **Vandy Karma (Hindu Culture Organization)**

Nashville, TN

*President*

January 2014 – April 2017

- Represented Karma at Multicultural Leadership and Interfaith Councils, and Vanderbilt Religious Affairs Committee; interacted with and served spiritual needs of the Hindu population on campus.

## SKILLS & INTERESTS

**Technical Skills:** Working knowledge of Python and Slang; Microsoft Office

**Languages:** Hindi | **Interests:** Bollywood Dance, Writing (Fiction, Poetry), Travelling, Cooking