

# Jersey Ann Krupp

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## Education

MS Financial Engineering, Director's Scholarship Recipient  
Lehigh University

Expected May 2023

- Current GPA: 3.75
- In Progress/Future Coursework: Financial Optimization, Data Science for Finance
- Completed Coursework: Statistical Processes & Applications, Optimization, Applied Data Mining, Fixed Income Analysis, Stochastic Calculus, Time Series & Forecasting, Derivatives & Risk Management

BS Biomedical Engineering | Minor: Chemistry  
Virginia Commonwealth University (VCU)  
Honors College Scholar - *magna cum laude*

May 2020

## Professional Experience

**Design of Lehigh-Based Interface (In Progress), Project Manager**

May 2022 – Present

- Leading a team of undergraduates to design a mobile app and to strengthen student-alumni relationships at Lehigh University
- Paid graduate fellowship Summer 2022

**Financial Equations (In Progress), Project Manager**

May 2022 – Present

- Leading a team of students to calibrate traditional financial models using an Artificial Neural Network
- Serving as a liaison to our industry project sponsor

**Economic Development Fund Management, Project Member**

September 2021 – May 2022

- Structured a Private Equity fund for an ESG investment opportunity to generate proceeds for land acquisition, industrial building development, and redevelopment in the Lehigh Valley, Allentown area.
- Created a funnel structure to extract 50 companies from 500
- Designed a two-pager presentation and presented it to potential investors

**VCU Health Systems Narcotic Waste Management, Project Manager**

August 2019 – May 2020

- Worked with and led a team of engineering and business students to reduce narcotic waste from patient-controlled analgesia machines for VCU Health Systems
- Created CAD designs using multiple software programs based on the waste data that was collected
- Developed and maintained cross-functional relationships among stakeholder groups to achieve project results

## Leadership

**Clarion (interprofessional healthcare) Case Competition, Participant and Judge**

January 2019 – February 2020

- Awarded the VCU regional competition in response to provide an interprofessional policy response to the housing crisis in Hennepin County, MN
- Presented solutions to the University of Minnesota's health professions graduate program

**Theta Tau, Professional (co-ed) Engineering Fraternity, Secretary of the Chapter**

January 2017 – May 2018

## Volunteer

**Big Brother Big Sister of Greater Richmond, "Big Sister"**

August 2018 – May 2020

## Honor Societies

**Tau Beta Pi (Engineering), Member**

**Phi Kappa Phi (University), Member**

**Skills** Python (Pandas, NumPy, Sklearn), R, AMPL/CPLEX, LaTeX, Git, MATLAB, SPSS, SQL, SolidWorks, Microsoft Suite