

ZOE PAN

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cell: (908) 888-6130

EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Master of Engineering in Financial Engineering, GPA: N/A

Expected December 2022

Cornell University, Ithaca, NY

Bachelor of Science in Operations Research and Information Engineering, **GPA: 3.5**

December 2021

Selected Coursework: Financial Engineering with Stochastic Calculus, Simulation Modeling & Analysis, Learning with Big Messy Data, Optimization, Intro to Stochastic Processes, Financial & Managerial Accounting

SKILLS

Technical: Python, VBA, Java, Julia, AMPL, SQL, Tableau

Languages: Spanish (Fluent), Chinese (Proficient)

Awards: 2019 American Invitational Mathematics Exam Qualifier, 2018 National Merit Scholarship Finalist

EXPERIENCE

Equity Sales and Trading Summer Analyst, *Jefferies Financial Group*, New York, NY

June to Aug. 2021

- Rotated across Electronic Trading, Prime Brokerage, Centralized Risk Book, Cash Equities, and Derivatives desks
- Gained exposure through speaking with employees and working on projects that incorporate research, analysis and recommendations
- Analyzed short interest data to capture potential signals using Python

Actuarial Intern, *Prudential Financial*, Newark, NJ

June to Aug. 2020

- Analyzed areas of inefficient data flow to accelerate the Individual Life GAAP closing process
- Automated individual life insurance topside calculations using VBA, which resulted in a 99.8% time reduction

Summer Intern, *Prosperity Life Insurance Group*, New York, NY

May to July

2019

- Automated supplementary life contract templates, which streamlined the company's process
- Analyzed differences in annuity surrenders for one of the company's products to identify consumer trends
- Conducted closed block analysis to evaluate reserve projection accuracy

LEADERSHIP

Full Team Lead, Business Team Lead, *Cornell Electric Vehicles Project Team*, Ithaca, NY

Oct. 2018 to Sep.

2021

- Oversaw timeline, goals, and budget of a 60-member team; led sub-team of 7 members in sponsorships, branding, and media outreach
- Coordinated new member recruitment in 2019, leading to twice the number of applicants from previous year
- Secured 10 new sponsors and raised over \$10,000 through crowdfunding
- Team placed 3rd in the 2019 Shell Eco Marathon by maintaining equivalent efficiency of 5,200+ miles per gallon

Chief Development Officer, *Smart Woman Securities*, Ithaca, NY

Sep. 2018 to Sep.

2021

- Organized 10-week educational seminar series where new members learn basic financial industry information
- Researched specific market trends and was selected to present a stock pitch in the 2019 Stock Pitch Competition

ACTIVITIES/INTERESTS

Cornell Women's Club Volleyball (Setter); Cornell Engineering Ambassadors; Bullet journaling; Hiking; Singing

Certificate: Adventis Financial Modeling Certification (FMC)