

VRUTIK PATEL

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EDUCATION

University of Illinois at Urbana-Champaign – Grainger College of Engineering

Expected Graduation: May 2022

Bachelor of Science in Aerospace Engineering

GPA: 3.7/4.0

University of Illinois at Urbana-Champaign – College of Liberal Arts and Sciences

Bachelor of Arts in Economics

Illinois Investment Management Academy

Champaign, IL

President

May 2020 - Present

Analyst

November 2019 - May 2020

- 1 of 40 students admitted to a highly selective multi-year program tailored to careers in investment management with an opportunity to hear from speakers in private equity, hedge funds, and asset management
- Manage \$1.25 million portfolio performing financial statement analysis, qualitative research, and portfolio management
- Founded and directed a group specializing in training and developing quantitative tools using Python to automate some of the portfolio management operations of the fund in order to monitor the price movement and possible factors

EXPERIENCE

Undergraduate Researcher - Dr. Zhang

September 2020 - Present

- Process and evaluate big data within the banking sector via mining and cleaning procedures
- Build manage a trading strategy by parsing at least 5000 data points

1440 Media

Chicago, IL

Data Analyst

May 2020 - Present

- Designed a process for collecting over 500,000 data points using Python and web crawling from multiple sources
- Cleaned a big data set to create a taxonomy of topics with multiple layers to be later used on the platform
- Built a twitter bot which find experts in each of the topics collected to create the taxonomy

Brockhurst Capital Partners

Chicago, IL

Private Equity Intern

March 2020 - September 2020

- Identify and evaluate industries of interest based on BCP's Opportunity Filtering Framework and conduct due diligence of potential acquisition targets in priority industries
- Interface with brokers and bankers to source opportunities and manage the flow of Non-Disclosure Agreements and Confidential Information Memoranda
- Built a python web-scraper which resulted in significant reduction in time required for lead-generation and deal-sourcing

LEADERSHIP & ACTIVITIES

Estimating Option Implied Probability Distributions

June 2020 - Present

- Obtained and cleaned options dataset and perform calculations to forecast the performance of an asset and quantifying the uncertainty associated with bull, base, and bear case forecast
- Source: Malz, Allan. (2014). A Simple and Reliable Way to Compute Option-Based Risk-Neutral Distributions, *Staff Report No. 677*, Federal Reserve Bank of New York.

Investment Portfolio Organization

Champaign, IL

Investment Manager

February 2019 - May 2020

- Coordinated a team of four analysts creating quantitative and qualitative research models to evaluate company valuations
- Met weekly with the team to discuss and help them with picking companies for the stock pitch
- Helped familiarize analysts with market through simulated trades and building equity report on a company of their choice

Illini Hyperloop

Champaign, IL

Suspension Lead - Semi-Finalist

August 2018 - May 2019

- Oversaw a group of four students to research and analyze the suspension system in the Hyperloop pod
- Integrated design with other subsystems and qualified for the SpaceX Pod Competition among the top twenty-one teams in the world
- Collaborated with Purdue University and University of Cincinnati to test the vibrations on Emrax motor at high frequency

HONORS, SKILLS & INTERESTS

Honors: James' Honors Scholar; Dean's list Fall 2018

Skills: Python, R, MATLAB, JavaScript, CSS/HTML, Bloomberg Terminal, CapitalIQ, GitHub, MS Office

Interests: Reading Non-fiction books, Fighter Jets, Data Analytics, Endurance Running, Rubik's Cube