

Alexa Watson

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Education

Tufts University

B.S. in Mechanical Engineering with a Minor in Economics

Somerville, MA

Expected Graduation: May 2024

- Relevant Coursework includes: Electronics & Controls I&II, Engineering Design I &II, Mechanics I&II, Materials and Manufacturing I &II, Design for Fabrication Probabilistic Systems, Inventive Design, Energy Economics, Energy Generation
- GPA: 3.6/4.0 | Deans List: Fall '20, '22, '23' & Spring '21, '22, '23

Horace Mann School

High School Diploma

Riverdale, NY

June 2020

Professional Experience

Morgan Stanley

Institutional Equities Summer Analyst

New York, NY

June 2023- August 2023

June 2022-August 2022

- Rotated through equity sales desk such as derivative, DSP (Delta One Structured Products), and Structured Notes and quantitative trading desks such as Single Name Options, Index, and ETF's
- Created event driven strategies using python to make informed stock pitches to the desk head on a recurring basis
- Analyzed trends in the stock market using historical data and python to find regime patterns and to back test different strategies in similar vol markets for derivative products

Footwear Research

Undergraduate Research

Somerville, MA

January 2022-May 2022

- Learned to operate footwear testing machines, including the Instron, to measure the range of forces exerted on footwear during different activities such as running and skateboarding
- Assisted in the development and execution of research protocols to evaluate the performance of footwear materials
- Analyzed data collected from footwear testing to draw conclusions about the biomechanical properties of footwear

Maverick Capital

Summer Analyst

New York, NY

June 2021-August 2021

- Analyzed long and short public equities in the consumer sector with a focus on gaming equities using sell-side research, quantitative data and constructed financial models to determine the direction of specific equities
- Rotated through the following teams in the firm: quant, trading desk, investor relations, legal and compliance, accounting and fundamentals, to gain knowledge on all aspects of the hedge fund

Comcast

Summer Product Development Intern, Mechanical & Electrical Engineering team

Philadelphia, PA

May 2018-July 2018

- Created working circuits and used CAD to create working prototypes and demo products to be used in the Research and Development process
- My final design to make Xfinity's pre-existing security system more user friendly and aided in the creation of new features to ease user experience for Xfinity security cameras

Other Experience

NOLOP FAST (Fabrication, Analysis, Simulation, Testing) Facility

Fabrication Specialist

Somerville, MA

January 2022-Present

- Guided students & faculty through creative project ideation, design, and fabrication
- Maintained makerspace equipment & led workshops in CAD, PCB design & laser cutting

WatsonKicks

Sole Proprietor

New York, NY

March 2018-Present

- Conduct market research on sneaker brands and styles that will appreciate for long term profit
- Buy limited-edition sneakers based on research and sell to international collectors, averaging 90 pairs sold per month and revenue of \$4,000 per month

Footlocker

Part-time Sales Associate

New York, NY

August 2019-September 2020

- Met and exceeded weekly sales goals, and was one of the top 5 sales associates in the store every month
- Provided the utmost in customer service and remained abreast of sneakers, apparel, and product trends

Skills and Interests

Teaching Assistant for Electronics and Controls (Fall 2023), Tufts Investment Club-Fundamental Analyst, Tufts University Tour Guide, Tufts Women's Club Soccer, National Society of Black Engineers, Computer Programming (SQL, Java, Python, and MATLAB)