David R. Aitoro

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Education

STANFORD UNIVERSITY Stanford, CA
MBA; MS in Environment & Resources (Cleantech Concentration) *Expected March 2021*

- Stanford Energy Club, GSB Energy Club member; Energy@Stanford Conference 2018 participant
- Stanford Energy Storage Community member: worked with a startup (Antora Energy) to conduct market research

WILLIAMS COLLEGE Williamstown, MA
BA, Physics and Mathematics *2009*

- Magna Cum Laude (GPA: 3.88), Physics Departmental Honors
- Inducted into national honor societies Phi Beta Kappa (Academic) & Sigma Xi (Scientific Research)
- Rugby Team Captain

Experience

NOBLE THERMODYNAMICS Berkeley, CA
Financial Modeling Intern *Summer 2019*

- Created a complex, realistic Monte Carlo simulation engine to model the electricity market, enabling the firm to fine-tune its business plan and strengthen its pitch to investors
- Identified and researched cleantech-related tax incentives, making the firm's product more financially attractive

BELVEDERE TRADING (*2010 – 2018)* Chicago, IL
Promoted steadily through trading roles of increasing responsibility. Outside of trading hours, performed several other roles within the firm, primarily with the technology department. Utilized and developed quantitative modeling and analysis, strategic business thinking, and management and leadership skills.

Program Lead – Advanced Theory *2016 – 2018*

- Designed new academic options theory curriculum to be taught to experienced traders
- Delivered the new course to approximately forty students in two years by leading a team of four instructors to create classroom presentations, teach the lessons to the students, and write corresponding textbook chapters

Technology Department Product Owner *2012 – 2016*

- Prioritized and designed several new software features which greatly increased the company's efficiency and revenue
- Acted as a liaison between trading and technology departments, facilitating trader input into technological projects and ensuring that traders always knew how to use Belvedere's new software features properly

Trading-Side Quantitative Analyst *2012 – 2018*

- Devised and helped build new, improved option volatility models, increasing profits while decreasing their variance
- Created new risk parameters, allowing more precise analysis of the firm's positions
- Developed and coded in VBA an algorithm to determine recommended positions to hold which was immediately adopted by Belvedere's largest trading team

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Head of Position Management *2018*

- Oversaw trading team leads and established, taught and implemented position management best practices firmwide
- Aided struggling desks in finding ways to improve their portfolios and return to profitability
- Pioneered new quantitative systems for identifying and highlighting problematic positions before they caused losses

Senior Derivatives Trader – Crude Oil Trading Team Lead *2016 – 2018*

- Managed a team of seven people as the head of Belvedere's second-largest trading desk
- Took over a desk that had lost money for seven consecutive months and immediately returned its profitability to targeted levels, while simultaneously decreasing capital usage by 50% and greatly increasing Sharpe ratio of returns

Senior Derivatives Trader – Roboto Team *2015*

- Worked as part of a cross-disciplinary team of five to launch Belvedere's first primarily algorithmic trading group
- Helped to design, refine, and code in Python the quantitative methods underlying the desk's new algorithms, which have since grown to be used firmwide

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Capital Partner *2016 – 2018*

- Invited to invest money in the firm as a reward for excellence, an honor only given to top ~10% of employees

WILLIAMS COLLEGE DEPARTMENT OF PHYSICS Williamstown, MA
Research Assistant *2008 – 2009*

- Researched ways to use data from the Large Hadron Collider to determine the masses of theoretical particles
- Developed new techniques for simulating, parsing and analyzing collider data using both Mathematica and Fortran