

Drew Ficken

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EDUCATION

THE UNIVERSITY OF CHICAGO BOOTH SCHOOL OF BUSINESS

Master of Business Administration

Chicago, IL
Sep 2017 - Jun 2019

- Active Member of Booth Technology Group, Booth Analytics Club, and Booth Soccer Club
- GMAT: 750 (98th percentile)
- BI coursework: Pricing Strategies, Digital & Algorithmic Marketing, Data Science for Marketing, Big Data

THE UNIVERSITY OF CHICAGO DIVISION OF PHYSICAL SCIENCES

Master of Science in Computer Science

Chicago, IL
Jun 2017 - Jun 2019

- Launched pilot ICO using distributed ledger, merkle trees, hashing algorithms, and other blockchain technology.

PURDUE UNIVERSITY

Bachelor of Science in Mechanical Engineering - GPA 3.48/4.00

West Lafayette, IN
Aug 2010 - May 2014

- Summer Engineering Intern at Rolls-Royce for two summers, working on Navy ship propellers and the F-35 fighter jet lift fan systems.

EXPERIENCE

NBCUniversal

Data Scientist Intern - Mobile Games Publishing

Universal City, CA
Jun 2018 - Aug 2018

- Assisted in worldwide launch of "Jurassic World Alive", NBCUniversal's first location-based mobile game to leverage AR technology, which generated over \$17M in revenue over the course of 3 months.
- Created business intelligence dashboard, displaying various KPIs, for user acquisition team and product managers in order to provide insights into how mobile games have performed and monetized since inception.
- Developed predictive customer lifetime value tool to optimize paid install campaigns as well as to understand future cash flows of games, enabling the company to have a much better aptitude for resource management and allocation.

Andrie Trading, LLC - proprietary trading company specializing in commodity derivatives

Senior Trader

Chicago, IL
May 2016 - Feb 2017

- Led four-person team in evaluating feasibility of new algorithmic trading platform, creating risk metrics, position management tools, and P&L reporting process from scratch.
- Developed complex analytics dashboards using R Shiny apps showing the current and recent market environments to complement dynamic hedging strategies while avoiding expensive API fees, saving company \$180,000 per year.
- Partnered with Tbricks support team, Andrie management, and IT staff to ensure that new trading platform was market ready in under 3-month time span.
- Managed entire company's gold options portfolio, utilizing intricate trading platform knowledge and personal option theory to profit from inefficiencies within the market, returning \$60,000 profit over 5 months.

Junior Trader

Jun 2015 - May 2016

- Ranked top of my 10-person trading class in terms of maximizing profitability while reducing risk, returning \$160,000 in profits over a 9-month span - one of two selected to stay on after class finished.
- Beta-tested software for algorithmic trading platform to suit the needs of Andrie options desks by providing extensive understanding of modeling, position and risk management, and market microstructure to developers through trading in the gold options market.

Clerk

May 2014 - Jun 2015

- Automated the entire back-end operations of the firm through programming and process streamlining, eliminating the need for a clerk staff, saving the company approximately \$250,000 per year.
- Created trade reconciliation tools for all trading desks to ensure accurate portfolio representation and eradicate costly human errors, removing up to 20 hours per day of manual oversight for the firm.

ADDITIONAL

- Working knowledge of R (Expert), Python, SQL, Ruby, Shiny (R visualization tool), and Looker (similar to Tableau)
- BI Skill Set: Demand Estimation, Churn Management, FTUE, Causality/Treatment Effects, A/B Testing
- Predictive Analytics Tools: KNN, K-Means, Multivariate/Logistic Regression, Ridge/LASSO/Elastic Net Regression, Random/Causal Forest
- Captained several soccer teams over the last 3 years, winning multiple championships in both indoor and outdoor leagues.