

EDUCATION

Rice University, Houston, TX

Bachelor of Arts in Mathematical Economics Analysis

December 2013

Master of Arts in Statistics

May 2014

Cumulative GPA: 3.58

Relevant Coursework: *Applied Time Series and Forecasting, Applied Stochastic Processes, Market Models, Quantitative Financial Risk Management (Portfolio Theory)*

EXPERIENCE

Bank of America Merrill Lynch, New York, NY

June 2013 – August 2013

Summer Analyst, Investment Analytics

- Aided in a new firm-wide “Goals-Based” initiative of tailoring financial advice to client’s goals and objectives, rather than strict benchmarks
- Programmed in R to find 6 types of archetypal investors based on surveys of personal financial goals taken by over 13000 of the firm’s clients
- Reviewed the bank’s business lines to design a series of financial products to attract millennials to the firm; Presented findings with group members to the Heads of Global Wealth & Retirement Solutions
- Wrote multiple whitepapers on topics in behavioral finance and the impact they have in advising clients and shaping investing habits

Rice University Statistics Department, Houston, TX

January 2013 – Present

Research Assistant

- Analyzed investment opportunities into the water market, aggregating stock data and creating an index based on growth and volatility metrics; Findings published in technical report series January 2014
- Performed time series analysis on water resources and infrastructure to forecast trends in the global economy; Findings published in technical report series December 2013
- Select results can be viewed on personal, self-directed data analysis website (ethanmcm.com)

Baylor College of Medicine, Houston, TX

May – August 2012

Programmer

- Programmed in R on NeuroLaw project studying impact of neuroscience development in policy and law
- Organized over 50 million observations, looking for correlations and creating regression models

Awty International School, Houston, TX

January – May 2012

Data Analyst

- Organized campus wide survey of students, faculty/staff, and parents (800+ participants)
- Compiled 50-page conclusive report (based on 50,000+ observations) for administration to use in their restructuring phase

LEADERSHIP

Math Circle, Houston, TX

August 2011 – Present

Mentor and Volunteer

- Host and organize 100+ middle and high school students in their learning of higher level mathematics

Rice University Athletics, Houston, TX

August 2011 – Present

Varsity Sports Liaison

- Provide link between Rice community and varsity athletes, increasing student attendance at athletics events

SKILLS, AFFILIATIONS, & TRAINING

Computer: Microsoft Word, PowerPoint, Excel, R, SQL, SAS, MATLAB

Affiliations: Boy Scouts of America (Eagle Scout); Rice Univ. – Graduate Student Soccer Team (Midfielder)