# 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)
* Complied 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)