EDUCATION

University of Central Florida, Orlando, FL
Bachelor of Science in Engineering-Civil *May 2009*
Bachelor of Mathematics with Applied Economics *May 2011*

Pennsylvania State University, College Station, PA   GPA 4.0/4.0
Masters of Applied Statistics *Aug. 2015*

WORK EXPERIENCE

NBC Universal, New York City, New York
June 2015 –Current
- ♦ Associate Director Data Strategy and Analytics
  - Lead a team of 8-10 Analysts to perform analytic tasks across the NBC Universal Company.
  - Collect and maintain data for statistical analysis from multiple data environments including SQL and HADOOP environments.
  - Develop and implement business requirements to produce statistical insights
  - Present finding to senior leadership and build documentation of analytical systems.

The Walt Disney Company, Lake Buena Vista Florida
May 2011 – June 2015
- ♦ Senior Integration Consultant
  - Develop and implement business requirements to procedure statistical insights for ESPN, ABC, and Disney Studios projects.
  - Collect and maintain data for statistical analysis from multiple data base environments.
  - Lead a team that develops integrated user interface systems to implement analytical business recommendations.
  - Present finding to senior leadership and build documentation of analytical systems.

- ♦ Integration Consultant
  - Forecasting and optimization analysis for ESPN, ABC and Disney Studios- Develop integrated user interface systems.
- ♦ Business Analysis
  - Perform economic, forecasting and optimization analysis for The Walt Disney Company.

University of Central Florida, Orlando Florida
January 2011 – May 2011
- ♦ Tutoring Intermediate Microeconomics, Intermediate Macroeconomics, Econometrics, and Economic Analysis of the Firm (MBA).

University of Central Florida, Orlando Florida
December 2010 – May 2011
- ♦ Independent research in Mathematical Economics/Finance
  - Researching random walks and arbitrage portfolios in financial markets.

University of Central Florida, Orlando Florida
January 2010 – December 2010
- ♦ National Science Foundation Undergraduate Research in Mathematical Economics/Finance
  - Researched applications of arbitrage pricing theory, random walks in financial markets, portfolio optimization, and options pricing

LEADERSHIP

NBC Universal
- ♦ Development of Digital Forecasting Tools for NBC News Group
  - Responsible for leading 2-3team members in the development of a tool used to forecast site traffic across NBC News sites.
- ♦ Create sales forecasts for digital content across NBC, USA, Syfy, BRAVO, Oxygen, E!
  - Responsible for leading a 5-7 person team in the development of a tool used to assist in digital traffic sales for a number of company units.

The Walt Disney Company
- ♦ Development of Dynamic Pricing Tool for Lion King and Aladdin Broadway Shows
  - Responsible for leading team members in the development of a tool used to price Broadway performances.
- ♦ Managed Development of UI Tools
  - Responsible for leading a team member in the development of a tool used to implement business recommendation for a number of company units
- ♦ Speaker at the Disney Data and Analytics Conference 2014
  - Presented a talk on the "Integration of Analytics through Customs Visualization" at the Disney Data and Analytics Conference.

- ♦ Transaction Proposal Generator Tool (Patent Pending)
  - Responsible helping with the development of proposal generation tool for ABC Entertainment ad sales department to forecast and optimize inventory across the advertisers.

National Research Foundation
- ♦ Undergraduate research in Mathematical Economics/Finance
  - Responsible for leading peers in weekly discussions about problem solving and presentations.

RELEVANT COURSE WORK AND OTHER RELATED SKILLS

<u>Undergraduate:</u> Calculus I, II, and III, Differential Equations, Matrix and Linear Algebra, Logic and Proofs, Statistical Theory I and II, Microeconomics, Macroeconomics, Econometrics, Advanced Calculus, Numerical Methods in Mathematics I and II, Mathematical Economics, Application of Complex Variables, International Macroeconomics, and Public Economics.

<u>Graduate:</u> Regression Methods and Analysis, ANOVA Analysis and Design, Mathematical Statistics, Probability Theory, SAS, Machine Learning, Multivariate Analysis, Time Series Analysis, Statistical Consulting.

Extensive knowledge of Microsoft Excel, Microsoft Word, Microsoft Power Point, SAS, R
Intermediate knowledge of JavaScript, HTML, AJAX, JQuery, SQL, and Python
Novice knowledge of HIVE, Hadoop, and Spark