



OBJECTIVE

Results-driven professional transitioning from Mechanical Engineering into Analytics. Looking to advance my career with a leading organization that will utilize my data analysis knowledge while also allowing me to develop further as a professional.

Fresh, self-directed talent with ability to align business strategy and objectives with established data analysis and management paradigms to achieve maximum operational impacts. Efficiency-focused self-motivated hard worker with knowledge spanning operations optimization, client and vendor relationship management, cross-functional team leadership and participation, analytics modeling, data visualization, statistics, interactive visualization, dashboard building, innovative idea development, and technology solutions. Exceptionally dedicated professional with keen interpersonal, communication, and organization skills, as well as experience managing projects, operations and teams of up to 30 people.

EDUCATION AND CREDENTIALS

MASTER OF SCIENCE (M.Sc.) IN ANALYTICS, CURRENTLY ENROLLED; Georgia Institute of Technology, Atlanta, Georgia

BACHELOR OF SCIENCE (B.Sc.) IN MECHANICAL ENGINEERING, 2006; University of Massachusetts, Lowell, Massachusetts

PROFESSIONAL DEVELOPMENT

GEORGIA TECH VIA EDX, COMPLETED DECEMBER 2018

MICROMASTERS – ANALYTICS: ESSENTIAL TOOLS AND METHODS

Introduction to Analytics Modeling, July 2018 – 89%

Computing for Data Analysis, December 2018 – 100%

Data Analytics in Business, December 2018 – 86% (A)

- Obtained and developed a foundation of experience in R, Python, and SQL through effective undertaking of graduate courses and code-based tests.
- Attained working knowledge and understanding of application of fundamental analytics models and methods
- Developed extensive knowledge on how to build a data analysis pipeline, from collection and storage through analysis and interactive visualization.
- Increased familiarity with a variety of techniques and tools for data mining, text analysis, network analysis, and affinity analysis.

UC DAVIS VIA COURSERA, ENROLLED DECEMBER 2018

DATA VISUALIZATION WITH TABLEAU SPECIALIZATION

Fundamentals of Visualization for Tableau - 93%

Essential Design Principles for Tableau - 96%

Visual Analytics with Tableau - 94%

Creating Dashboards and Storytelling with Tableau - Enrolled

Data Visualization with Tableau Project - Enrolled

- Created exploratory and explanatory visualizations in Tableau Desktop and Tableau Public.
- Effectively utilized pre-attentive attributes and Gestalt principles to design effective, eye-pleasing visualizations.
- Developed interactive visualizations, easily digested dashboards, data-driven maps and custom KPIs.

COLUMBIA VIA EDX, SEPTEMBER 2018

ANALYTICS IN PYTHON - 91%

COLUMBIA VIA EDX, JUNE 2018

STATISTICAL THINKING FOR DATA ANALYSIS - 89%

HARVARD VIA EDX, MAY 2018

STATISTICS AND R - 96%

JOHNS HOPKINS VIA COURSERA, OCTOBER 2015

R PROGRAMMING - 100%

RICE UNIVERSITY VIA COURSERA, SEPTEMBER 2015

INTRODUCTION TO INTERACTIVE PROGRAMMING IN PYTHON - 100%

PROFESSIONAL EXPERIENCE

ASTEC INC., CHATTANOOGA, TENNESSEE, 2017 TO 2018

CONTRACT 3D MODELER

- Played a vital role in 2D to 3D transition, creating and developing libraries covering entire product history.
- Orchestrated a variety of priority projects to guarantee on-time delivery and minimize production delays.
- Effectively ensured that tasks and guidelines were followed and completed in an effective manner.
- Coordinated design work with internal and external resources, ensuring all work reflected the real world products.
- Assisted the team in different aspects of the project, from modeling to tweaking and rendering.

FORGIONE ENGINEERING, LOWELL, MASSACHUSETTS, 2016 TO 2017

PROJECT ENGINEER

- Lead design on a variety of projects in new product design, medical device design, and construction management.
- Formulated and nurtured key relationships with new fabricators and suppliers, expanding the company arsenal and insuring abilities stayed recent and competitive.
- Administered the design and development of prototypes and oversaw fabricating or 3D-printing on site to ensure the product was delivered to the customer as soon as possible.
- Collaborated with diverse group of engineers and involved personnel to direct and report progress.
- Developed new processes and tools for continual improvement.
- Ensured safety procedures were enforced in the project, and proactively employed safety measures when needed.

QUAN UT UT RESTAURANT, HO CHI MINH CITY, VIETNAM, 2015 TO 2016

GENERAL MANAGER

- Continuously tested new business ideas, gathered feedback, and conducted extensive analysis into the data to reduce costs and enhance sales.
- Directed hiring, firing, training, and mentoring for staff of 30 personnel, instilling hospitality values while encouraging retention and development of individual personalities.
- Utilized strong communication skills to certify that all parts of the restaurant were effectively coordinated.
- Created a warm, clean, and welcoming environment for all customers and staff.

In 2009, a break was taken from engineering to pursue fine dining cooking full time. 1/2010 to 2/2013 was spent working at multiple James Beard Award and Michelin-starred restaurants. Details available.

ALLISON TRANSMISSION, SPEEDWAY, INDIANA, 2007 TO 2009

FIELD ENGINEER (MILITARY)

- Handled data gathering, troubleshooting, diagnosing, and the repairing of prototype equipment in the field.
- Drove the design and development of hardware and software for measuring driveshaft alignment through utilization of laser reflection.
- Organized and participated in the training of operators and engineers to improve the effectiveness of jobs.
- Developed constructive and cooperative working relationships with military and industry representatives and provided technical guidance and work direction to them.

ADDITIONAL INFORMATION

Interests: Cooking, Bicycling, Travel, Board Games

References available upon request