**Education**

**Master of Arts.** Bowling Green State University (BGSU), Bowling Green, OH, *May 2015*

Statistics, GPA: 3.77

**Bachelor of Arts.** Cornell College, Mt. Vernon, IA, *May 201*3

Mathematics, Minor in Physics; Cumulative GPA:3.65; Major GPA:3.85

**Honors:** Dean’s List with high Honors *Jan 2010; Honors Jan 2011, May 2011 and Jan 2012*

**Independent Study and ProJECT Experience**

**Tele-campaign Predictive Modeling Project.** *BGSU, Spring 2015*

* Applied discriminant analysis to identify potential bank deposit subscribers with SAS PROC DISCRIM.
* Adopted over-sampling technique and percentile-capping technique to improve sensitivity by 10%.
* Implemented SAS MACRO to improve program flexibility and program efficiency.
* Presented analysis and results with dynamic visualizations and professional oral report.

**Database Management Project.** *BGSU, Fall 2014*

* Analyzed the structure of an existing database from Microsoft Access along with spreadsheet in Excel.
* Designed and implemented new relational database using oracle data modeler and MSSQL Server.
* Incorporated advanced DML statements to generate insert statements in Access and Excel to transport data to our new database in SQL server.

**Regression Analysis Project.** *BGSU, Fall 2013*

* Built a multiple linear regression model to predict indices of injuries based on data from a vehicle testing center using R.
* Categorized indices of injuries based on percentile to provide safety grading for vehicles.
* Lead and motivated my team to achieve goals in each phase of the project.

**Capture Recapture Analysis Independent Study.** *Cornell College, Mt Vernon, IA, Summer 2012*

* Facilitated capture-recapture model to estimate the population of ornate box turtles of coralville reservoir in Iowa.
* Utilized Excel to prepare data and employed program MARK to construct confidence intervals for turtle population from 1995 to 2012.

**Work Experience**

**Teaching Assistant**. Department of Mathematics, *Bowling Green State University, Bowling Green, OH, Aug 2013-May 2015t.*

* Educated students in statistical thinking and edified them in probability & statistical inference concepts through lectures and selected exercises in the course Elementary Statistics.
* Addressed students’ questions, monitored students’ progress and provided instrumental feedback to students in computer-based courses: Elementary Algebra, Intermediate Algebra and College Algebra.
* Graded examinations and homework of students; corrected their misunderstandings of concepts accordingly.

**Student Worker** Office of Facilities Management, *Cornell College, Mt Vernon, IA, Dec 2009-March 2013.*

* Optimized working efficiency and recycled $4,000 worth of copper in 4 weeks.
* Incorporated various maintenance skills and tools to work on sophisticated projects.
* Coordinated colleagues to complete work orders from faculties.

**Domain Expertise**

* **Analysis Of Variance**
* **Cluster Analysis**
* **Decision Tree**
* **Discriminant Analysis**
* **K-Nearest Neighbor**
* **Logistic Regression**
* **Multiple Linear Regression**
* **Naive Bayes**
* **Principal Component Analysis**

**Skills**

* **Statistical Programs.**  R, R markdown, SAS (Base Certificated), SPSS, Tableau, SAP Lumira
* **Computer Skills**  Microsoft Access, SQL, Excel Pivot Table, Java

**Extracurricular Activities**

**Bowling Green State University Table Tennis Club Treasurer** BGSU*, 2014-present.*

**USA Table Tennis (rated 1331)**

**Cornell College Mini Soccer World Cup Champion** *Cornell College, Mt Vernon, IA, 2012.*

**Cornell College Table Tennis Intramural Champion** *Cornell College, Mt Vernon, IA, 2011, 2012.*

**Cornell College Physics Reading Group** *Cornell College, Mt Vernon, IA, 2010, 2011.*