Benjamin E. Allen

EDUCATION:

Syracuse University, School of Information Studies   **May 2020**
Major: M.S. Applied Data Science GPA: 3.59
Relevant Coursework: Data Visualization, Data Analysis and Decision Making, Database Management, Data Mining

Syracuse University, College of Engineering & Computer Science   **May 2018**
Major: B.S. Systems Information Science   Minor: Economics

INTERNSHIP EXPERIENCE:

Impact Data Analyst, *Clearinghouse CDFI*   **December 2019 – current**
- Implement Tableau dashboard as a descriptive instrument to measure loan values across an entire portfolio
- Design Tableau dashboard to attract financial products from federal government such as CDFI Financial Assistance Award
- Clean and synthesize 1,000+ loans from 1998-2019 to define data guidelines ensuring consistency of data

PROJECT EXPERIENCE:

Data Analyst, *Microsoft Malware Prediction*   **August 2019 – December 2019**
- Implemented machine learning algorithm Light GBM to analyze prediction outcomes of viruses on 1+ million machines
- Applied SMOTE sampling technique to develop a balanced dataset
- Tested logistic regression algorithm against Light GBM with fine-tuned parameters to produce the most accurate model of evaluation

Database Administrator, *Serendipity Recovery*   **January 2019 – May 2019**
- Created business plan that identified a data management problem in the organization and proposed a solution to solve the problem using database technology
- Developed Access-enabled, group-scheduling system for a small business, allowing 20 patients to view and print schedules for current and future appointments
- Assisted in creating and presenting 5 informational reports based on SQL data

Data Analyst, *Attrition Analysis for IBM*   **August 2018 – December 2018**
- Managed team of 4 students to construct regression model and provide key insights to what leads to attrition
- Evaluated 1,470 rows, 34 columns of Kaggle dataset for IBM attrition using statistical analysis tools to determine best predictors for attrition in excel
- Identified errors in logistic regression analysis with dummy variables and addressed them by correcting data

Project Manager, *Airplane Data Analytics*   **August 2018 – December 2018**
- Managed team of 3 students to develop quantitative and qualitative analysis to determine attributes such as travel type, flight time length, and price sensitivity for predicting airline customer satisfaction
- Used R coding to conduct exploratory data analysis and visualizations to provide key insights for airline customer satisfaction
- Identified 3 errors in code cleaning and addressed them by removing and reporting data findings

Scrum Master / Web Developer, *Syracuse University Orange Solutions*   **March 2018 – May 2018**
- Managed team of three students on development of systems requirements for student advisement system using PHP, MySQL, HTML/CSS
- Coded HTML/CSS using GitHub repository for the design of Orange Solutions HealthCare Management System website
- Communicated and drove the completion of project milestones and documented them in phases using Kanban agile method

COMPUTER SKILLS:

Coding: Excel (Lookup, Forecasting, PivotTables, Solver, Power Query, Power Pivot), Google Analytics and AdWords, Python, R
Data Visualization: Tableau, Power BI
Database: SQL, MySQL, SQL Server, Access

LEADERSHIP EXPERIENCE:

President, Treasurer, Graduate Representative, *National Society of Black Engineers*   **January 2016 – current**
- Used storytelling techniques to interpret data and assess trends to build appropriate charts and graphs for project findings using excel and presentation software
- Oversee Corporate Sponsor Engagement Team, Conference Planning Committee, and direct board of 24 members
- Presided over NSBE's $45,000 budget assets for the 2016, 2017, 2018, 2019 school years