**Michael Considine**

Data Analysis

**EDUCATION**

**Northwestern University – Chicago, IL**

*Data Analytics & Visualization Certificate (2019)*

* A 24-week intensive program focused on building technical programming skills in Advanced Excel, VBA, Python, pandas, Matplotlib, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning

**University of Illinois at Chicago – Chicago IL**

*Bachelor of Science, Industrial Engineering (2015)*

**TECHNICAL SKILLS**

MS Office Suite

HTML/CSS &Bootstrap

Python

JavaScript

Tableau

SQL Databases

Version Control (Git)

**CONTACT**

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| A close up of a logo  Description automatically generated | Oak Park, IL 60304 |
| A close up of a logo  Description automatically generated | 708-703-0644 |
| A close up of a logo  Description automatically generated | [consimike@gmail.com](mailto:consimike@gmail.com) |
| A close up of a logo  Description automatically generated | [mike-c-personal.herokuapp.com/](https://mike-c-personal.herokuapp.com/) |
| A close up of a logo  Description automatically generated | @[consimike](https://github.com/consimike) |
| A close up of a logo  Description automatically generated | [@mconsidin](https://www.linkedin.com/in/mconsidin/) |

**PROFESSIONAL EXPERIENCE**

**Juno Lighting Group – Des Plaines, IL**

*Industrial Engineer, 2016 – 2019*

Worked on process and quality improvements through Kaizen events and root cause analysis. Was responsible for maintaining quality standards, 5S scores, organizing Kaizen events where I had to train my team, and safety in my section of the plant. Created detailed analysis and presented every month to upper management on what I was currently doing/going to do to improve quality and productivity.

*Key Accomplishments:*

* Won an internal Kaizen competition graded by an external consultant where my team gained a 35% productivity improvement, and 0% defect rate due to manufacturing. This was proven to the consultant and upper management on the last day of the event.
* Led 11 Kaizen events, and participated in 20, where an average of 35% productivity improvement was achieved.
* Brought 1 new product onto the factory floor, where I created the workspace, bought machines, and ran a successful launch.
* Led a multimillion-dollar scrap project where I analyzed data and sent it to management to show the updated progress

**Projects**

**Statistical Significance |https://github.com/griffinpeifer/TrilogyProject1\_group2**

* Performed an analysis on red light/speed cameras, and accidents in Chicago to see if there was any correlation to ride share, population, or weather
* I analyzed speed camera data to see where the most violations occurred, and if they were correlated to population or ride share.
* Tools / languages used: Python, Pandas, Matplotlib

**Stock/Sentiment Analysis | https://github.com/griffinpeifer/stock\_sentiment\_project | https://mike-c personal.herokuapp.com/video**

* Created a webpage that displays a graph with the stock price depending on the date the user chose, high level financial information, top 5 articles from google finance, twitter sentiment based on what key word is typed in, a live updating pie chart of sentiment, and data table of tweets.
* I created the live updating table which displays tweets updating after a certain time interval, and colored green or red depending on if it is positive or negative. Also, helped with the design of the webpage
* Tools / languages used: Python, Pandas, Dash, Plotly, SQlite, Tweepy, VaderSentiment

**UFC Prediction|** [**https://github.com/griffinpeifer/UFCMachine**](https://github.com/griffinpeifer/UFCMachine)**|** [**www.ufcmachinelearning.com**](http://www.ufcmachinelearning.com)

Created a webpage that contains a spot for two fighters, where the user types the name of each fighter, and a prediction of the fight is generated

* I helped scrape, clean the data, develop the model, and format parts of the webpage
* Tools / languages used: Python, Pandas, SQlite, Sklearn, Beautiful Soup, JavaScript, HTML/CSS