Nicholas Geary

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ncgeary.github.io/Geary_Portfolio/

TECHNICAL SKILLS

Data Gathering Tools:	Data Analysis Tools:	Data Visualization Tools:
- SQL Server/Sybase	- Python	- Tableau
- Alteryx	- Numpy & Pandas	- PowerBi
- Cognos Reporting	- Excel VBA	- Matplotlib
- MongoDB & Mongoose	- Scikit-Learn	- Seaborn
- GraphQL/Apollo Client	- R	- Plotly

Other Tools: GitHub/GitLab, Agile Methodologies, Trello, JIRA, Photoshop/GIMP, Minitab & Microsoft Visio

EDUCATION

SUNY University at Buffalo, Buffalo, NY   May 2017

Bachelor of Science in Industrial and Systems Engineering

Certification: Six Sigma Green Belt, Oct. 2016

WORK EXPERIENCE

HealthNow BlueCross BlueShield of WNY, Buffalo, NY - *Healthcare Informatics Analysis* Sept 2019 – Present

Process Engineer   Feb.2018 - Sept. 2019

- As a part of the Operational Analytics team at HealthNow, we work with different departments within operations to provide value-added analysis. This includes developing and analyzing departmental KPIs, while also developing visualizations to show the progress of those KPIs.
- Developed Tableau/PowerBi coaching dashboards for operational supervisors, giving insights on frequently used words within their notes section and overview of categorized behaviors.
- Created and conducted Six Sigma training for over 40 employees across the company.

Sefar Inc, Buffalo, NY   *Industrial Engineer* March 2017 – Feb. 2018

- Head of safety for the Depew, NY facility. Key responsibilities include leading a team of engineers and production staff to complete continuous improvement projects to improve safety, adhering to OSHA standards and completing safety audits.
- Redesigned the warehouse and shipping department layouts to increase material handling efficiency and improving organization within employee work stations. This redesign increased storage space 28% with minimum cost.
- Developed work cells to increase productivity and efficiency with high volume production parts.
- Created tools for the production planning team to help with expediting production orders based on sales demand and material availability.

WORK EXPERIENCE *continued*

Aurubis Buffalo, Buffalo, NY   Industrial Engineer Intern Nov. 2015 – Feb. 2017
- Proposed new standard times of production across a variety of machines by developing and conducting time studies.
- Processed and analyzed data from reports to help improve the employee incentive program.
- Using Excel VBA, created macros to organize and categorize large amounts of data

Green Belting Industries, Buffalo, NY   Industrial Engineer Technician Aug. 2014 – Nov. 2015
- Promoted from Designer and CNC Operator.
- Scheduled work to improve productivity, utilize personnel, and to utilize the material.
- Designed products to optimize manufacturing production. Specifically, after redesigning a product, the production time was reduced by 33%. This method of redesign has now become a company design standard.
- Developed a program, using Excel, to produce time studies for a new product to be used for cost analysis. The program was produced to eliminate the use of material or machine time, which was the method previously.
- Created, analyzed, and produced time studies on procedures to be used in cost estimating and productivity improvements.

PROJECT EXPERIENCE

NHL 3-2-1 Point System   https://github.com/ncgeary/NHL_321_Point_System_Ver2

Tools: Python, BeautifulSoup, Numpy, & Pandas

This project is to take a look to see what the NHL's standings would be if they went to a 3-2-1 point system. Python and the BeautifulSoup library were used to web scrape the NHL standings and Numpy/Pandas was used to manipulate the data to configure the standings if they went to the 3-2-1 point system.

{Code:Buffalo} Hackathon - UnBoard.Today   **Unboard.today**

Tools: Apollo Client, Node JS, and React

Winning 2nd place out of 50 teams in the 2019 Code: Buffalo Hackathon, my team and I created a website where users can go and be suggested things to do around their college campus. The user interface was designed similar to the Pinterest model by allowing users to see and create cards of different events or activities happening around them. React was used to create the front end while using the Apollo client to make calls to the back end.