

Student Web Developer Student Web Developer Student Web Developer - Seton Hall University  
South Orange, NJ Work Experience Student Web Developer Seton Hall University - South Orange,  
NJ August 2018 to Present Reviewed and provided technical support using ColdFusion which  
helped to maintain the existing data processes and code reviews. Effectively used machine  
learning techniques like cluster analysis to explore data and identify hidden patterns and groupings  
in large datasets. Effectively monitored online marketing strategies and onsite content using  
google analytics to ensure high traffic, resulting in improved user experience. Seton Hall University  
- South Orange, NJ September 2017 to July 2018 Built and launched efficient data pipelines using R  
and Python packages to help move and transform large datasets to small datasets. Developed  
new and improved dashboards using tableau to help automate reporting. Reviewed tickets from  
2000 to 2016 to identify the most common IT challenges content providers faced with the goal of  
creating an FAQ page addressing the most common concerns. Data Analyst, Volunteer The FP  
Youth Outcry Foundation - Newark, NJ January 2018 to June 2018 Formatted and merged multiple  
and large datasets using SQL which helped in sub-setting them to meet the analysis goals.  
Gathered and processed structured and unstructured data in excel, text, and csv from multiple  
sources to support the delivery of comprehensive and accurate information. Designed and  
oversaw testing strategies using statistical techniques to ensure consistency between data collection  
sources, reports, and dashboards. Data Analyst USAID - NU-HITES June 2014 to May 2017  
Effectively communicated complex analytical concepts using MS PowerPoint and MS Word to both  
technical and non-technical staff to better inform data driven decisions. Managed and  
recommended improvements using statistical techniques like standard deviation to improve  
efficiency in day-to-day operations. Developed and led end-to-end projects by creating project  
roadmaps to identify the project's most important goals and deliverables and ensuring on time  
delivery and task prioritization. Education M.P.A in Data Visualization and Analytics SETON HALL  
UNIVERSITY August 2017 to May 2019 Skills Data visualization, Machine learning, Predictive  
analytics, Data manipulation, Postgresql, Sql, Git, Html, Javascript, Node.js, Python, Matplotlib,  
Numpy, Pandas, Tableau, Css, Excel, Statistical analysis, Visualization, Training Additional

Information TECHNICAL SKILLS Python, SQL, Tableau, Matplotlib, Pandas, NumPy, Jupyter Notebooks, Scikit-Learn, PostgreSQL, Ms. Excel, R, ggplot, R Studio, Plotly, JavaScript, HTML, CSS, Visual Code studio, Git, Node.js, Google Analytics INTERESTING PROJECT Machine Learning: I built a model to help a business understand the reasons as to why many people were leaving. I used python, scikit-Learn and Jupyter Notebook. Results: After testing and training models, I found the Decision Tree Classifier model to have highest percentage of accuracy; 96%. In addition, the model would help the business prevent unforeseen challenges in the future by making predictions using various attributes only requiring to change a simple variable in the code. Lessons: Statistical Analysis, Predictive Analytics, Data Visualization, data manipulation. Please Check out my code base at <https://github.com/daphinerose/hr-leavers-python-machine-learning>

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