ANH PHAM

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PROFESSIONAL SKILLS

- Computer skills: Excel, Access, Word, Power Point, Azure Data Studio, Bloomberg Terminal, SAP.
- Programming: Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch), R (Tidyverse, RANN), PostgreSQL, SAS.
- Visualization and Statistical Software: Tableau, Python (Matplotlib, Seaborn, Plotly), R (Ggplot2), SAS.
- Big Data: Hadoop, Hive, Spark.
- Analytics, Machine Learning, Financial Modeling, Quantitative Analysis, Security Analysis, Problem Solving, Valuation, Researching.

PROFESSIONAL EXPERIENCE

FIVERR — Chicago, IL
Data Analyst Freelancer — *Jun 2020 - Present*
- Provided data processing, data visualization, and data extracting insights from customer requests with Python, R and SAS.
- Applied time series analysis, predictive analysis, and supervised learning (model preparation, classification problems) by applying machine learning algorithms (logistic and linear regression, Decision Trees, Random Forest, SVM) for utilizing data set.

IVYLINE CAPITAL GROUP, LLC. — Lancaster, PA
Apprenticeship Equity Analysis — *Sep 2018 – May 2019*
- Developed complex portfolio management strategies and effectively apply them to security analysis within the investment industry.
- Created a successful investment portfolio that used the investment strategy with derivative analytical plan to invest $10 millions paper money on think or swim on performed equities: XOM, EOG, GM, BA, and TSLA to gain $1.731 millions in 9 months.
- Utilized derivative and statistical analysis effectively to evaluate the return investment in equity options and portfolio management.

ANALYTICS PROJECT EXPERIENCE

AIRPLANE CRASHED. — *Nov 2020*
- Utilized Python packages (Pandas, Numpy, Searborn, Matplotlib) to develop a story of the airplane crashed trending based on time, regions, operators, and aircraft.
- Built clustering models (K-Mean, Hierarchical, DBSCAN) to cluster airplane crashed and texting on the dataset by utilizing machine learning technique (Scikit-learn) and evaluated the best model based on a loop function of Silhouette Coefficient scores.
- Applied dimension reduction (PCA's, t-SNE, UMAP) to visualize accuracy results.

FASHION MNIST. — *Nov 2020*
- Created unsupervised learning/ clustering models (K-Mean, Hierarchical, Gaussian Mixture, DBSCAN) by utilizing machine learning package (Scikit-learn) to cluster the common images.
- Evaluated the best model based on a loop function of Silhouette Coefficient scores.
- Applied dimension reduction (PCA's, t-SNE, LDA, UMAP) to visualize accuracy results.
- Developed a 3D plot by applying Plotly.

LENDING CLUB'S LOAN DATA FROM 2007 TO 2011. — *Oct 2020*
- Built a model in Python to make a loan prediction repayment and analysis to the next level by utilizing machine learning technique (Scikit-learn) and by incorporating a strategy for hyperparameter tuning (GridSearchCV) to Radom Forest Classifier and Gradient Boosting Classifier.
- Developed efficiently and effectively data story by cleaning out the unnecessary features and pointing out the core variables that have impacts on loan predicted model.
- Clarified the best models that fit the dataset with high accuracy scores.

WINE QUALITY PREDICTION. — *Oct 2020*
- Built a model in Python to make a loan prediction repayment and analysis to the next level by utilizing machine learning technique (Scikit-learn) and by incorporating a strategy for hyperparameter tuning (GridSearchCV) since the beginning.
- Decided to separate two type of wine (red wine and white red) for better prediction.
- Evaluated the prediction of wine quality to real life concern of customers by clarifying the best model (Logistic Regression Model for Red Wine and Random Forest Classifier for White Wine).

EDUCATION

DEPAUL UNIVERSITY, KELLSTADT GRADUATE SCHOOL OF BUSINESS — Chicago, IL
Master of Science in Business Analytics: Data Science — *Expected Jun 2021*
- Dean's Scholarship
- GPA 3.78 / 4.00
- Vice President of Kellstadt Business Analytics Organization

THINKFULL, INC. — Chicago, IL
Data Science Flex Coding Bootcamp — *Expected Dec 2020*

LIBERTY UNIVERSITY, SCHOOL OF BUSINESS — Lynchburg, VA
Bachelor of Science in Business Administration: Finance — *May 2018*