Nicholas Lynch, CPA
Data Analyst
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https://gitlab.com/nlynch504/Data.Analytics.Portfolio
https://public.tableau.com/profile/nlynch504#!/

Technical Skills

Data visualization programs & libraries: Tableau, RapidMiner, Ggplot2, Matplotlib.pylot, Seaborn, Bokeh.
Skills: Machine Learning, AWS, and data cleansing.
Programming: Python, R, SQL, and GIT.

MIS Background

Currently enrolled full-time in a Data Analytics Certificate Program through the University of Texas ending May 2018 that covers RapidMiner, Python, R, SQL, Hadoop, Machine Learning, Elastic Map Reduce, and AWS. Also, taking courses on R and Python through datacamp.com.

- Machine Learning in R – Predicting brand preference, sales forecasting for new products, creating market basket association rules, and sentiment analysis.
- Machine Learning in Python - Predicting marketing demand, creating interactive visualizations in a bokeh app. Performing sentiment analysis on web-scrapped data using AWS and python scripts.

Experience

Senior IT Audit Associate | Holtzman Partners | Austin, TX   Sep 2016 - Oct 2017
- Conducted model validation (QA) reviews, SOX internal control testing, SOC (SSAE18) audits, HIPAA audits, and FFIEC audits. This focused on IT general controls and Application controls including Salesforce, SAP, Okta, Paylocity, Tableau, Workday, and custom application built by our clients.
- Examined clients' SDLC procedures for security and reliability assurance. Worked with client IT management to assess logical and physical IT security for enterprise networks.
- Maintained and managed relationships with the client at the appropriate levels to ensure issues and audits were resolved in a timely manner.
- Client industries included software, financial services, healthcare, insurance, manufacturing, and data backup centers.

Senior Audit Assistant | Deloitte & Touche LLP | Houston, TX   Sep 2014 - June 2016
- Designed and performed tests of SOX internal controls. Identified accounting issues and conducted research in order to solve those issues.
- Substantively tested intangible assets, equity, equity awards, payroll, & revenue through analytics, control testing, and test of details. Analyzed revenue contracts, equity/borrowing agreements, and other legal documents.
- Created graphs and pivot tables to analyze and summarize data for financial forecasting.
- Pulled NYMEX commodity forward prices to determine future revenue streams and potential asset impairment. Pulled financial data from accounting information database using SQL queries, and cleaned data to gauge operational and financial KPIs. Also, financial data was used for outlier detection and year over year trends.
- Tested the net present value of future reserve streams and operating expenses to determine asset impairment.
- Recalculated asset retirement obligations based on projected credit rates, estimated inflation costs, salvage values, and abandonment costs. Recalculated minimum volume commitments (future contingent liabilities) based on contractual terms, projected volumes from the reserve report, volume conversion factors, and weighted average cost of capital. Tested the inputs for these calculations for reasonableness.
- Trained interns and junior personnel on the basics of auditing for public clients and joint ventures.

Finance Intern | City of Austin | Austin, TX   June 2013- Aug 2013
- Participated in the preparation of monthly invoice reports and budgets.
- Analyzed budgets and various financial reports using Microstrategy.

Education

University of Texas	Data Analytics Certificate Program	**May 2018**
Lamar University	Focused on CPA and MIS courses	**2014**
Millsaps College	Major: Accounting (BBA)	Minor: Finance	GPA: 3.79/4.00	**2009-2013**

Service / Leadership

**Volunteer	Habitat for Humanity**	**2009- Present**
**Eagle Scout	Boy Scouts of America**	**2009**