

Gary Y.

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EXPERIENCE

Digital Marketing Associate/Data Analyst | Ewin International Corp. | Dublin, Ohio

| April 2023 - Present

- **Leading software database development initiatives:** leading software development projects on automating data analysis processes with Power Automate, MySQL, and Python (PyMySQL, Selenium, and Pandas (Excel)), achieving annual cost savings of \$50,000 annually.
- **Optimizing operational workflows:** streamlining operational workflows and documenting business processes using Power Automate and UiPath, resulting in \$30,000 in annual cost reductions by leveraging ad-hoc data analysis for company stakeholders.
- **Financial data analysis:** managing over 1,000 data points monthly using Excel (Macros, Power Query, Power Pivot), Tableau, Power BI, MySQL, and Visio (ERD diagrams), enhancing ETL operations and stakeholder engagement, which contributes to a revenue increase of \$25,000 annually.
- **Managed MySQL Server databases:** financial SQL queries for efficient retrieval, manipulation, and analysis of over 1,000 data points, improving data integrity and system performance.

Data Analyst | Lutheran Social Services of Central Ohio | Columbus, Ohio

| October 2024 - March 2025

- **Analyzing and visualizing:** 100,000+ data points using **Python (NumPy, Pandas)** and **Power BI**, uncovering key performance trends, optimizing reporting processes, and delivering actionable insights that improved decision-making and operational efficiency.
- **Processing and automating:** data cleaning for 100,000+ data points in **Excel (VBA)**, streamlining transformations and generating reports, improving data accuracy, and reducing processing time by **30%**.
- **Managing and analyzing:** 100,000+ data points in **SQL-adjacent Apricot and ECW**, leveraging built-in reporting tools to enhance **case management, drive actionable insights, and support data-driven decision-making** for organizational improvements.

Data Quality Analyst | Cambium Learning Group | Columbus, Ohio | May 2024 - July 2024

- **Data analysis, validation, processing, and reporting:** ensure data accuracy using T-SQL, reducing errors by 95% via data analysis. Automate ETL processes with Python, boosting efficiency by 40% and reducing errors by 50%. Utilize Excel for data analysis and reporting, enhancing decision-making by 30%. Collaborate via AWS, SharePoint, Jira, and Confluence to streamline workflows and documentation.
- **Utilized Pandas and NumPy:** extract, clean, and transform data from Excel spreadsheets, correcting inconsistencies and improving data quality. Exported the cleaned data back to CSV format for further analysis, increasing efficiency by 30% and streamlining reporting processes.
- **Managed Microsoft SQL Server databases:** using SQL Server Management Studio (SSMS), performing tasks such as database backups, query optimization, and user access control, ensuring high availability and improved system performance.

Financial Data Analyst | UCS Logistics | Urbancrest[Grove City], Ohio | July 2022 - November 2023

- **Revenue & compliance management:** managed and executed accurate invoicing processes for \$1.2 million in monthly revenue, ensuring compliance and timeliness while fostering strong client relationships and applying Excel (VBA, macros), T-SQL, and Power BI.
- **Financial data analysis:** utilized Excel (Power Query) and T-SQL/SSMS for in-depth data analysis, identifying and resolving \$300,000 in fiscal discrepancies within a month.
- **Automation & revenue enhancement:** advanced solution development by employing Python (Pandas, Selenium), UiPath, and automation, which contributed to a monthly revenue increase of \$100,000.

Independent Financial Data Consultant | Self-Employed | Lewis Center, Ohio | July 2021 - July 2022

- Demonstrated proficiency in SQL (select statements and joins), R (statistical analysis), Stata (regressions), and Python (NumPy, Pandas, and Openpyxl), enhancing data analysis and visualization capabilities, which significantly contributed to

- client satisfaction and the growth of long-term client referrals in tutoring.
- Managed a range of financial consulting services, including in-depth analysis of 1040 tax returns and consumer credit card transactions. Provided strategic advice on selecting between standard and itemized deductions, tailored to optimize individual tax outcomes and maximize client savings. Additionally. Offered personalized financial guidance to enhance clients' overall financial well-being.
 - Diagnosed and resolved hardware issues by disassembling and reinstalling components, completed a full system overhaul including the installation of Windows 11 Pro, and provided secure password management for dozens of clients.

Financial Analyst Internship | Central Ohio Tax Company | Columbus, Ohio | April 2021 - June 2021

- Developed comprehensive tax filing models and financial reports utilizing Drake Tax Software, Excel, and QuickBooks, achieving a total of \$15,000 in cost savings and tax relief for clients by optimizing tax liabilities and streamlining the tax filing process.

Business Analyst(BA) Trainee | Chang and Yee LLC | New Albany, Ohio | July 2020 - December 2020

- Enhanced service efficiency and managed over 1,000 assets monthly by leveraging PowerPoint, Excel, and Access for market research, strategic analysis, and record-keeping, optimizing website marketing and digital presence, resulting in a \$60,000 revenue increase and an additional \$20,000 in monthly revenue.

PROJECTS

Github Portfolio | github.com/Yu2413

| November 2023 - Present

- Versatile portfolio skilled in Microsoft 365 integrations, advanced statistical analysis (Excel, R, Python, SQL, Stata), and innovative Python projects for data analysis, automation, and machine learning. Experienced in complex SQL querying and data management, with additional expertise in Power BI and Tableau.

Various Variables on Wages | Ohio State University | github.com/Yu2413

| January 2022 - May 2022

- Calculated wage differentials in labor economics using Python, Stata, and R by evaluating the impact of key variables—such as education, work experience, and region—on overall compensation. This involved collecting and cleaning data, developing econometric models, and interpreting results to provide actionable insights into wage structures and labor market dynamics. Visualized results in Excel and then finalized a slide deck in PowerPoint.

Rising Populations, Slowing Economies | Ohio State University

| github.com/Yu2413

| May 2021 - August 2021

- This project, which was done with Python, Stata, R/R-Studio, statistics, and econometric methods, explores the paradoxical relationship between population size (or growth) and economic performance using an OLS regression. Conventional wisdom often suggests that a growing population fuels a larger labor force, increased consumption, and potentially higher GDP. However, there is evidence indicating that some countries experience diminishing economic returns as their populations grow—resulting in slower per capita GDP growth or even stagnation. This analysis aims to identify and understand the factors behind this negative correlation.

SKILLS

Programming: Python: NumPy/Pandas/scikit-learn/Matplotlib/PyTorch/pymssql/PyMySQL/Openpyxl/Selenium/Git.

Data Analytics and Presentation & Reporting: Power BI, DAX, Tableau, Visio, PowerPoint, R/R-Studio, Stata.

SQL & Databases: PostgreSQL (PL/pgSQL), MySQL, SSMS (T-SQL), SSRS (SQL Reports), Oracle SQL Developer (PL/SQL).

Excel (Expert): XOR/LAMBDA/XLOOKUP/Pivot Analysis/VBA/Power Query/Pivot Modeling/Anaconda-Python.

EDUCATION

Bachelor's Degree in Economics, International Relations | The Ohio State University

| Minor in World Affairs

Columbus, Ohio, United States

- **Domain Knowledge Mastery:** Healthcare policy and logistics/industrial organization through economics and trade/international regulations.
- **Software & programming:** SQL, Excel (advanced), Python, R, and Stata through relational database, econometrics, and database courses.
- **Statistical methods:** Random forest, decision trees, time series analysis, regressions (logistic, OLS, linear), clustering, KNN, and PCA.
- **Quantitative/Qualitative Skills:** Big Data, Business Calculus, Survey Design, Surveying, Random Sampling, and Polling.