Tuyen N. Nguyen

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TECHNICAL SKILLS

- Data visualization, analysis, and report– Excel, Power BI, Tableau, Seaborn, Matplotlib, Python, Pandas, NumPy
- Data management – SQL, MySQL, T-SQL, Microsoft Access, MS SQL Server, database design, PostgreSQL, data warehouse
- Computer science – Software testing, application development

EDUCATION

Oregon State University   Estimated Graduation: March 2023

Bachelor of Science, Business Information Systems (Major GPA: 3.75)

- Relevant Coursework: Applied Quantitative Methods, Business Data Management, Business Information Systems Design and Development, Application Development, Business Telecommunication and Networking

EXPERIENCE

APOST Project - Oregon Department of Transportation   June – December 2021

IT Systems Analyst Intern

Overview**:** APOST Project of ODOT is a system deployment to store construction data and documents in one system that ensures data integrity.

- Generated more than 100 practical test cases for functional testing
- Collaborated with officers, analysts, and system developers to define business requirements
- Validated system to ensure that the system met the business requirements
- Reported the test progress, results, and system issues to the quality assurance lead and developers to update the system

ACADEMIC PROJECTS

Programming Project: Building 3 Python Applications   June - September 2020

- Developed financial goal calculator, an inventory calculator, and retrieving real-time stock data application from the website using Python in Visual Studio Code

Course Group Project: ETL Data from Spreadsheet to Access Database   September - December 2020

- Created the database and tables in Microsoft Access database, then defined keys and relationships between tables
- Programmed with Python to extract data from 50 spreadsheets and load the data to the database
- Took initiative to make essential changes and completed tasks before the deadline a week

Course Group Project: Data Analysis and Visualization with Tableau   January - March 2021

- Downloaded data components from the IPUMS website, then implemented data filtering and sampling in Excel
- Utilized multiple regression model and visualized data using Tableau to find the factors that affected the total income
- Wrote a report about methods and concepts of the model

Individual Project: Hotel Database Management and Visualization   September – December 2021

- Designed and developed a hotel database
- Developed SQL code for backups, stored procedures, user-defined functions, transactions, indexes, and views using T-SQL in Microsoft SQL Server
- Created a pipeline to automate loading data from CSV data file to SQL Server database and creating dashboards in Power BI

Individual Python Project: Sales Data Analysis with Pandas Library   December 2021

- Gathered 12 CSV files from GitHub to a single file in Jupyter Notebook
- Cleaned data to avoid data duplication and invalid values with Pandas library, then analyzed data to answer questions about revenues, locations, and products sold
- Visualized data using the Matplotlib library

AWARDS

- International Student Continuation Scholarship 2020, 2021
- International Student Honor Roll 2019, 2020, 2021