Tuyen N. Nguyen

Corvallis, OR – nntuyen7@gmail.com – (313) 423-5455 – linkedin.com/in/nntuyen7

SUMMARY

- Passionate about data analytics to improve business performance and keep track of measurable objectives and goals
- IT Systems Analyst intern at Oregon Department of Transportation for 6 months to ensure system quality and meet system requirements based on testing-driven software development and Agile methodology
- Proficient in using SQL and T-SQL to design normalized and denormalized databases with OLTP and OLAP methods, maintain, automatically update the database and backups, retrieve necessary data to analyze and visualize
- Effectively using Python (Pandas, NumPy) to create applications and work with datasets including cleaning, analyzing, and visualizing data
- Profound knowledge in business intelligence tools such as Power BI and Tableau

EDUCATION

Oregon State University   Estimated Graduation: March 2023
Bachelor of Science, Business Information Systems (Major GPA: 3.76)

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

EXPERIENCE

APOST Project - Oregon Department of Transportation   Jun - Dec 2021
IT Systems Analyst Intern
Overview: A system deployment project to store construction data and documents in a single system ensuring data integrity, easily retrieving data and analyzing

- Defined all system requirements by interviewing and collaborating with officers, analysts, and system developers
- Covered all requirements by generating more than 100 practical test cases for system functional test
- Ensured traceability of requirements to test cases
- Generated weekly test report status about system performance and stability for QA and developers

ACADEMIC PROJECTS

Programming Project: Building 3 Python Applications   Jun - Sep 2020

- Developed a financial goal calculator, an inventory calculator, and retrieving time-series stock data application delivered by an API from the website using Python in Visual Studio Code

Course Group Project: Data Analysis and Visualization with Tableau   Jan - Mar 2021

- Utilized multiple regression model and chose appropriate graph to visualize data using Tableau, then found the factors that affected the total income
- Wrote a professional report including methods and concepts of the model

Individual Project: Hotel Database Management and Visualization   Sep - Dec 2021

- Designed and developed a hotel database based on the OLTP concept to reduce transaction processing time
- Utilized T-SQL code to create backups, stored procedures, functions, transactions, indexes, and views using T-SQL in Microsoft SQL Server to keep the data updated, ensure data quality and integrity, and save time to duplicate the tasks
- Created a pipeline to automate loading data from CSV data files to SQL Server database and creating dashboards in Power BI to reduce manual work

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

- Gathered 12 CSV files from GitHub to a single file in Jupyter Notebook
- Cleaned data to get rid of data duplication and invalid values with Pandas library, then analyzed to answer data analysis questions about revenues, distributions, and products sold
- Visualized data by Matplotlib library

AWARDS

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