

Tuyen N. Nguyen

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EDUCATION

Oregon State University
Bachelor of Science, Business Information Systems
OSU GPA: 3.72

Estimated Graduation: September 2022

STRENGTHS

- **Collaborative** – Always willing to support co-workers and teammates to achieve the organization's objectives
- **Self-motivated** – Seeking knowledge to enhance the professional skills through reading books and online courses
- **Efficient** – Working for above 15 hours/week while studying full-time and keeping good GPA and work results

PROJECTS

Programming Project: Building 3 Python Applications

June - September 2020

- Chose ideas of the applications based on the necessity and interest such as a financial goal calculator, an inventory calculator, and retrieving real-time stock data from the website
- Utilized math formulas and developed to create complete applications using Python programming language and Visual Studio Code

Course Group Project: Data Analysis and Visualization Using Tableau Project

Data Analyst

January - March 2021

Overview: The project was to analyze data from the dataset to indicate what the factors affected the total income.

- Chose data components from the IPUMS website
- Implemented data filtering and sampling in Excel
- Analyzed processed data by using multiple regression model
- Visualized data using Tableau the data by electing the appropriate visual models and charts
- Reported methods and concepts of the test

Course Group Project: ETL Data from Spreadsheet to Access Database

September - December 2020

Overview: The purpose of the project was to extract data from 50 spreadsheets, to utilize SQL, and to load the extracted data to the Access database where it was easier to retrieve data.

- Led the team with 5 people by overseeing tasks needed to adjust and giving guidelines for teammates to implement components of the projects
- Took initiative to contact teammates, develop code, and discuss with the professor to make essential changes that saved time by 25%
- Collaborated effectively with the team to complete tasks before the deadline a week and build relationships
- Coded using Python to build the Access database from scratch
- Wrote SQL queries to add data from 50 spreadsheets to the Access database
- Designed and built a relational database in Microsoft Access using Python code
- Reported database design, data type, and script

Individual Project: Hotel Database Management and Visualization

SQL Server Developer

September – December 2021

- Designed and created a hotel database
- Created 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 product sold
- Visualized data using the Matplotlib library

ADDITIONAL 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.

- Took initiative to explore the system and conducted functional tests to design test cases, scenarios, and scripts
- Collaborated with contractors, analysts, and vendors to define requirements and build testing plans and strategies
- Validated system to ensure that the system met the business requirements
- Reported the test progress, results, and system issues to quality assurance lead

Language: proficient in English and Vietnamese

Certifications:

- Python, SQL, Tableau – 365DataScience
- Microsoft SQL Server Essential Training – LinkedIn Learning
- Program Databases with Transact-SQL – LinkedIn Learning
- Data Ingestion with Python – LinkedIn Learning
- Python for Data Science Essential Training – LinkedIn Learning