

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, Microsoft SQL Server, database design
- Computer science – Software testing, application development

EDUCATION

Oregon State University

Estimated Graduation: September 2022

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

ACADEMIC PROJECTS

Programming Project: Building 3 Python Applications

June - September 2020

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

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

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 design 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

Languages: English – Proficient, Vietnamese – Native