**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: 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, 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