Tuyen N. Nguyen

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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
- IT intern at A-dec in Business Intelligence team to create and maintain ETL pipelines to migrate data from different systems with SSIS packages, and create Power BI reports
- Proficient in using SQL and T-SQL to design normalized and denormalized databases with OLTP and OLAP systems, maintain, automatically update the database and backups, retrieve necessary data to analyze and visualize
- Effectively using Python (Pandas, NumPy) and Excel (Power Query, PivotTable) to work with datasets including cleaning, analyzing, and visualizing data
- Having knowledge using business intelligence tools such as Power BI and Tableau to create data models, dashboards, and reports

EDUCATION

Oregon State University   Estimated Graduation: December 2022
Bachelor of Science, Business Information Systems (GPA: 3.77)

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

EXPERIENCE

A-dec Inc.   Jun - Dec 2022
Business Intelligence Intern   *Newberg OR*

- Program with SQL to retrieve supply chain data for analytics, interview users to gather their requirements about reports
- Design data models and process data with Power Query to create Power BI dashboards based on customers' requirements to improve 90% of the old system reports
- Create and maintain ETL pipelines with SSIS packages and jobs to import data from ERP system to the data mart and automate refreshing data, then utilize Azure DevOps for source control
- Provide information services for business users such as providing training and change management implementations

Oregon Department of Transportation   Jun - Dec 2021
IT Systems Analyst Intern   *Salem OR*

- 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 in Microsoft SQL Server to keep the data updated, ensure data quality and integrity
- 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

AWARDS

- Carol Brenne Sampson Information Technology Scholarship 2022
- International Student Continuation Scholarship 2020, 2021, 2022