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 methodologies
- IT intern at A-dec in Business Intelligence team to utilize SQL code to migrate data, create SSIS packages, and reports
- 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 to create 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

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

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

- Program with SQL to retrieve supply chain data and interview users to understand their requirements for reports
- Create SSIS packages to import data from ERP system to the data mart, then commit code in Azure DevOps
- Provide information services by solving ServiceNow tickets for business users to help them automate storing process
- Design Power BI reports based on customers' requirements to improve operations data and storing data processes

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