Tuyen N. Nguyen

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SUMMARY

- Passionate about coding and data analytics to improve performance and achieve objectives and goals
- Having knowledge on RESTful API, object-oriented programming with Python
- IT intern at A-dec in Business Intelligence team to create and maintain ETL pipelines to integrate data from different systems with SSIS packages, and create Power BI reports
- 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
- 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

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

Northwest Human Services   Dec 2022 – Current

Systems Analyst   *Salem OR*

- Create, maintain, and enhance healthcare workflows, reports, and software applications of the integrated system by taking users' requirements and system analysis
- Develop, validate, test, document, and provide trainings about new features of healthcare software application
- Integrate data from different systems with ETL pipelines (SSIS packages and SQL jobs) while ensuring data quality
- Design and create analysis and operations reports in Power BI and SSRS to enhance document management quality

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 Python Applications   Jun - Sep 2020

- Automated process of uploading text files to web services using Django REST API
- Developed a financial goal calculator and retrieving time-series stock data application delivered by the website's API

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