**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