

Tuyen N. Nguyen

Charlottesville, VA – nntuyen7@gmail.com – (313) 423-5455 – linkedin.com/in/nntuyen7

SUMMARY

- Passionate about coding and how system works to improve performance and achieve goals
- Ensuring system quality and meet system requirements based on testing-driven software development and Agile methodology by building, validating, testing, and troubleshooting software architecture, database, web applications, and mobile applications
- Proficient in using SQL, T-SQL, Python, Git and GitHub source control, HTML, CSS, JavaScript, integrate APIs
- Systems Analyst to build reports based on customers need, analyze and modify systems to improve process quality
- Working in Business Intelligence team to create and maintain ETL pipelines and integrate data from different systems with SSIS packages and SQL jobs, and create Power BI reports

EDUCATION

Oregon State University

December 2022

Bachelor of Science, Business Information Systems (GPA: 3.77)

EXPERIENCE

University of Virginia, Center for Diabetes Technology

Sep 2023 – Current

Systems Engineer 2

Charlottesville VA

- Troubleshoot, test and enhance web applications, database design, integrate API to request data from other servers
- Collaborate with developer team to enhance workflow efficiency of the current research projects
- Modify, test lambda functions, and API endpoints of AWS web applications to ensure software architecture quality including mobile app, database, EC2, AWS IoT for clinical trials
- Prepare devices, building and modifying operating system using Java to comply with the study protocol
- Configure APIs on the Django web application to send notifications via messages to the monitoring team during trials
- Create SQL views to follow standard format for data submission

Oregon Health and Science University, Cascade Life Alliance

Mar – Sep 2023

BI/Systems/Applications Analyst

Portland OR

- Extract data for analytics from CDC website and other data sources
- Utilize Python script to extract data from kidney pumping machines
- Retrieve, process, visualize, and analyze data from the database to improve staff wellness and shift allocation
- Build report with SSRS and Power BI for business requirements

Northwest Human Services

Dec 2022 – Mar 2023

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 training about new features of healthcare (EHR) software application
- Integrate data from different systems with ETL pipelines (SSIS packages and SQL jobs) while ensuring data quality
- Design and create data analysis and operations reports in Power BI and SSRS to procedure, evaluate and enhance operations such as document management quality and performance

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

- Define all system requirements by interviewing and collaborating with officers, analysts, and system developers
- Cover all requirements by generating more than 100 practical test cases for system functional test
- Ensure traceability of requirements to test cases
- Generate weekly test report status about system performance and stability for QA and developers