

JAYLEN NEDUELAN

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EDUCATION

The University of North Texas, Denton, TX August 2021- May 2025
Bachelor of Science, Computer Science GPA: 3.75
Relevant Coursework: Software Engineering, Data Structures & Algorithms, Operating Systems, Systems Programming, Internet Programming, Computer Networks, Probability and Statistics, Natural Language Processing, Fundamentals of Database Systems
Honors & Awards: UNT Excellence Scholarship (Fall 2021-Present), Dean's/President's List (6 semesters)

SKILLS & CERTIFICATIONS

Programming Languages:
Python, C/C++, Java, Go, SQL, HTML/CSS/JavaScript

Frameworks & Technologies:
TensorFlow, Flask, React (Next.js), Node.js, Bash, Supabase, Cloud Computing, Wireshark, AWS(S3), REST APIs, Networking

Software & Tools:
Git, MySQL, Microsoft Office Suite, Smartsheet, Azure DevOps, Jira, Freshworks/Freshservice ITSM/CMDB, Power BI, Tableau, Linux, MacOS

Project Management:
IT PM, Agile (Scrum & Kanban), Asset Management, Knowledge Base Software, Financial Reporting & Analysis

Certifications:
AWS Cloud Practitioner, Koddi Commerce Media Foundations

EXPERIENCE

TLT - Tomorrow's Leaders Today, Remote Jan 2025 - April 2025
Business Analyst Intern

- Developed 10+ KPIs and a data strategy to measure 50+ organizational programs.
- Designed logic models aligning programs with strategic goals, improving reporting efficiency by 10%.
- Analyzed data and created monthly impact reports, driving data-driven decision-making for stakeholders.

Triumph Financial, Dallas, TX June 2024 - August 2024
IT Project Management Intern

- Developed automated asset reports using SQL in Freshservice CMDB, improving data accuracy from 70% to 95%.
- Managed data for 600+ assets, including EOL information and warranties, reducing unplanned asset purchases by 30%.
- Created and documented knowledge base articles on asset management and purchase order processes, improving operational efficiency by 15%.
- Collaborated with cross-functional teams to gather and analyze data, ensuring accurate and actionable asset records.

Envoy Air, Grapevine, TX May 2022 - Present
Fleet Service Clerk

- Streamlined luggage processes using data-driven insights, improving efficiency by 15% and turnaround time by 20%.
- Coordinated with cross-functional teams, resulting in a 25% reduction in delays.

PROJECTS

Asset Management Automation (Freshservice CMDB) - Triumph Financial Summer 2024

- Engineered SQL-based reports for automated asset tracking, including warranty and EOL statuses, improving data accuracy by 15%.
- Implemented validation processes, reducing unplanned purchases by 20% and an increase in data accuracy by 25%.
- Created and conducted training on Knowledge Base articles to standardize asset management procedures, enhancing knowledge transfer across departments.

Sonify for Graphs (Python, Flask, Next.js, Supabase) – University of North Texas Sept 2024 – Apr 2025

- Developed a full web application that converts graph data into sound, improving accessibility for visually impaired users.
- Connected a Flask backend to a Next.js frontend to process and sonify data, storing user-generated files and metadata using Supabase.
- Ensured compliance with accessibility standards, achieving 90% usability satisfaction among test users and enhancing inclusivity.

Sentiment Analysis with BERT and CNN Models (Python, TensorFlow) – University of North Texas Spring 2024

- Developed sentiment analysis models using BERT and CNN, achieving 85% classification accuracy.
- Leveraged TensorFlow for deep learning implementation, focusing on text tokenization and preprocessing.
- Analyzed model performance using **accuracy, precision, recall, and F1 score**, documenting findings in a detailed report.