

# Cortland Nelson

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## EDUCATION

- Xavier University of Louisiana, New Orleans August 2021 - May 2022
    - B.S. in Computer Science || GPA: 3.70/4.0
  - University of Tampa, Tampa Bay August 2022 - December 2024
    - B.S. in Computer Science || GPA: 3.66/4.0
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## SKILLS

- Programming Languages: Python, JavaScript (Node.js), SQL
  - Cloud & DevOps Tools: Azure, AWS, Azure Databricks, Snowflake, Airflow
  - Data Analysis & ETL: Snowflake, Palantir Foundry (DEEP), PySpark, Teradata, PostgreSQL
  - Frameworks: React.js, Express.js, Flask, Bootstrap
  - Visualization Tools: Power BI, Excel
  - Operating Systems: Windows, MacOS
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## Work Experience

- Universal Data Inc., DevOps Intern May 2021 - August 2022
    - Collaborated with senior engineers on network configurations and cloud migration, optimizing performance, scalability, and security.
    - Managed user roles and access via Azure Active Directory, ensuring data security and compliance with GDPR/NIST.
    - Assisted in application deployments and monitoring in Azure, improving system reliability and performance.
    - Conducted vulnerability assessments and implemented security best practices to protect client infrastructure.
    - Provided first-level technical support, resolving hardware/software issues, and maintaining documentation via CRM.
  - PwC, Consulting Intern May 2023 - August 2023
    - Familiarized with the vision, mission, and work of CEOARE, as well as basic concepts in the nonprofit sector and macro-view of how organizations are reporting and communicating their ESG impact.
    - Conducted research on business entities focused on their ESG impact, and understood how they organize and publish data to communicate their impact to various stakeholders.
    - Benchmarked best practices and strategies adopted by organizations to report and communicate to various stakeholders.
    - Created a presentation highlighting insights and trends from my research into recommendations for CEOARE, on what changes they can make to the Focus Report, and suggested other ways to report and communicate their impact.
  - AT&T, Collections and Data Science Intern May 2024 - August 2024
    - Led the migration of critical datasets from Palantir Foundry (DEEP) to Snowflake, optimizing data processing pipelines and ensuring seamless integration across platforms using SQL and Python.
    - Automated data retrieval and integration processes for six Snowflake tables, leveraging Azure Databricks, SnowPark, and PySpark, reducing manual efforts and improving data accuracy.
    - Conducted data inventory analysis and profiling, identifying redundancies, cleaning datasets, and mapping data for migration, which enhanced data integrity and streamlined operations.
    - Simplified and transformed data using ETL processes, ensuring compatibility between systems and improving overall data quality.
    - Collaborated with cross-functional teams presenting results that showcased time efficiency gains, cost savings, and improved data accessibility to senior management
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## ACTIVITIES

- Capital One Tech 'Mini-Mester' Fellow June 2022 - August 2022
    - Networked with Capital One executives and associates to develop lasting relationships
    - Developed an AI Twitter chatbot using the Python library Markovify.
    - Completed workshops on Intro to Cloud Computing (AWS), building an NFT Collection, GitHub, and Cyber Secure Coding.
  - Google HBCU/HSI Coding Challenge, Team Lead February 2022
    - Worked on a team with two other engineers and obtained 5th place against 100 other students in a suite of programming challenges in Python.
    - Solved fundamental data structures/algorithm prompts in a collaborative engineering environment
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## HONORS AND AWARDS

- University of Tampa: Honor's Program August 2022 - December 2024
  - Honors Program students thrive in a close-knit atmosphere among the most inquisitive, intellectually spirited, and enterprising students. They enjoy specialized classes on stimulating topics, attend symposia, conduct original scholarship for the Honors Thesis, and participate in state, regional, and national honors conferences.