Peter Lenon Goshomi

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EDUCATION

Jackson State University **Jackson, MS**

Bachelor of Science in Computer Engineering and Mathematics Minor **Expected Graduation:** 2026 **GPA:** 4.0/4.0

TECHNICAL SKILLS

C++, Python, R, HTML, Javascript, CSS, Git**,** C, Node.Js, APIs, JSON**,** TCP/IP Sockets**,** Neural Networks, Bash, Linux

WORK EXPERIENCE

Container Instances Team, OCI - Software Engineering Intern **May 2024 - August 2024**

- Built seeks templates to onboard automated Change Management ticket creation in Jira-sd for 25% of all supported routine change management tickets types for the Container Instances team, automated CM creation saves over cuts CM creation time by 50% .
- Built sheepy templates to onboard automatic release creation in Shepherd from the command line for 25% of all supported routine change management ticket types for the Container Instances team.
- Scripted bash programs to enable streamlined Container Instances Command Line (CICL) tool installation to cut installation time by over 50%
- Built feature to allow CICL to include pull request specific data from bitbucket into a created CM cutting down time to finalize a CM by 10-50%
- Migrated bitbucket pull request templates from version 1 to version 2 and enable automatic, version wise content dumping in created CMs
- Created and configured dev flocks in shepherd for all corresponding production flocks for control plane, management plane and data plane teams to for separating test and production shepherd releases
- Built a test mode feature for CICL tool that for orchestrating releases in dev flocks for CI phonebook and cut CM tickets in Jira-test-sd to evade conflating test CMs with production CMs

Luddy, Indiana University Bloomington - Software Engineering Intern **June 2023 - July 2023**

- Conducted rigorous testing on the quality of the robot conversational module powered by OpenAI API, resulting in enhanced performance, precise issue detection, and improvements in collaborative development.
- Created and maintained visual dashboards in Python Matplotlib for more accessible analysis of quantitative and qualitative information collected thus enhancing decision-making efficiency.
- Automated information collection from research participants via text messages with text-belt API and Python requests library.

SWAC Phillies, Remote - Data Engineering Intern **October 2022 - December 2022**

- Built a predictive multivariable K-Nearest Neighbor machine learning model for predicting strike probability for each baseball pitch using SciKit Learn and Pandas to execute data-driven efficient coaching and training methods.
- Developed colour-coded visual dashboards using Matplotlib for each pitch based on predicted strike probability that could be filtered across five categories (batter, game ID, etc.) for easier presentation to the coaching staff.
- Achieved an average predictive accuracy of 93% after 10-fold cross-validation with Scikit-learn.

PROJECTS

Project: TradeIt!: Python cryptocurrency trading bot that executes trades automatically following a set trading strategy.
Technologies Used: Python, yfinance library, machine learning k-means clustering algorithm, OANDA API.
Contribution: Developed trading strategy; Implemented data retrieval and analysis; Integrated machine learning for support and resistance levels.

Project: Order Book: Low latency C++ module designed to match, queue, and execute trading orders
Technologies Used: C++, C#, C, Visual Studio, Git,
Contribution: Enhanced default priority queue with random data access methods to reduce latency; Adding multithreading to the main application to reduce latency; Developed curated C structs for efficient data processing