

LONG TA

Wichita, KS • (316) 768-1529 • longtahoang3110@gmail.com • <https://linkedin.com/in/long-ta-b6957a264> • <https://github.com/longta3110>

EDUCATION

Wichita State University, Wichita, KS

MS in Computer Science | August 2024 - May 2026 | GPA: 3.7/4.0

Wichita State University, Wichita, KS

BS in Computer Science & Mathematics | August 2018 - Dec 2023 | GPA: 3.7/4.0

TECHNICAL SKILLS

- **Data Analysis & Recommendations:** Trend Analysis, Impact Analysis, What-If Analysis, Predictive Analysis, Business Recommendations, Program Evaluation
- **SQL & Relational Databases:** SQL, SQLite, Relational Databases, Data Extraction, Reporting Tables, Query-Based Analysis
- **Data Cleansing & Quality:** Data Cleaning, Data Validation, Data Accuracy Checks, Data Integrity, Duplicate Detection, Missing Value Handling
- **Business Intelligence & Reporting:** Excel Dashboards, PivotTables, KPI Reports, Scorecards, Management Summaries, Visual Displays
- **ETL & Documentation:** ETL-Style Workflows, Data Preparation, Automated Reports, Recurring Reports, Data Source Documentation, Assumption Tracking
- **Statistics & Tools:** Python, MATLAB, Regression, Classification, Model Evaluation, Git

PROFESSIONAL EXPERIENCE

Data Engineer | 3Kalo Texas Corporation | Houston, TX | May 2025 – January 2026

- Conducted analysis on product, sales, customer, inventory, and operational datasets to identify trends, reporting gaps, data quality issues, and business performance patterns.
- Developed Python and SQL ETL-style workflows to clean, standardize, validate, and organize raw business data from multiple sources for recurring analysis.
- Improved reporting accuracy by resolving duplicate records, missing values, mismatched product entries, inconsistent inventory fields, and source-to-report discrepancies.
- Built analysis-ready reporting tables, Excel summaries, and KPI-style views to support inventory review, sales tracking, operational decisions, and management reporting.
- Documented data sources, assumptions, cleaning logic, validation steps, and report definitions to improve data consistency, repeatability, and stakeholder trust.

Backend Developer | Suspender4Hope | Wichita, KS | May 2023 – May 2024

- Maintained backend data workflows and SQLite relational databases using Git and VS Code, ensuring reliable and secure data access for application features, which reduced data-retrieval errors and improved system stability.
- Implemented CRUD operations, role-based access controls, and UI-data interactions with JavaScript, C++, and Python, securing user permissions and streamlining data handling, which improved overall application reliability.
- Reviewed structured application records for missing values, inconsistent entries, access issues, and database-related problems affecting reporting accuracy.
- Prepared technical documentation, issue-resolution notes, and data-handling assumptions to support reliable maintenance and clear communication with non-technical users.

PROJECT EXPERIENCE

Financial Fraud & GMM Anomaly Detection Pipeline

- Processed 280K+ transactions and network-flow records with automated ETL, GMM modeling, and ML evaluation; improved fraud detection recalls by 20-25%, reduced false-positive alerts by 18%, and reduced manual review time by 35%.

MNIST Logistic Regression & Threshold Optimization

- Trained classification models on 60K+ MNIST images with 5-fold cross-validation, precision-recall analysis, and threshold tuning to maintain 90%+ precision while reducing false positives by approximately 18%.

Efficient Net Crop Disease Detection

- Developed VGG16, ResNet50, and EfficientNet-B0 image classification pipelines with transfer learning, augmentation, and Grad-CAM interpretability; improved validation accuracy by approximately 12%.

DNS-over-HTTPS Traffic Classification

- Built ML pipelines from network-flow features to classify benign and malicious DoH traffic, comparing Logistic Regression, Decision Trees, Random Forests, and 1-D CNN models using accuracy and confusion-matrix analysis.