

## Experience

### RoadOne Intermodal Logistics

*Software Developer*

Pleasanton, CA

April 2024 – Present

- **Architected and piloted an ML.NET predictive system** to automate anomaly detection in dispatch data; designed models to evaluate complex multi-variable patterns to optimize trucking logistics and prevent revenue leakage.
- **Developed an automated data ingestion pipeline** using C# and SQL Server to process 5,000+ weekly records, eliminating 100% of manual validation tasks for the accounting department.
- **Refactored legacy infrastructure** by migrating five VB.net applications to C# for the company imaging suite and designed WinForms interfaces to streamline dispatcher data management.

### Nuubi

*AI Engineer Intern*

Mountain View, CA

Sept 2023 – Dec 2023

- **Engineered a GenAI suggestion engine** utilizing LLM orchestration and custom system prompting to provide real-time, data-driven actionable insights for educators.
- Optimized backend architecture by migrating JavaScript application data to PostgreSQL using Sequelize ORM, ensuring data integrity for AI-driven features.

### MetLife

*Functional Analyst Intern*

Cary, NC

May 2023 – Aug 2023

- **Saved \$67,000/year** for UAE Airlines by proposing and implementing a simplified data modeling solution solely within Salesforce, eliminating the need for expensive BI licensing.
- Managed production platform uptime and bug resolution using Node.js and Gradle within a SAFe DevOps environment.

## Skills

**AI & ML:** PyTorch, ML.NET, LangChain, RAG, Prompt Engineering, LLM Orchestration, Vector Search, Data Pipelines

**Dev & Cloud:** Python (NumPy, Pandas), C#, Java, SQL, JavaScript, Node.js, FastAPI, AWS (CCP), Azure DevOps

**Tools & Certs:** Git, Linux, Docker, CI/CD, Salesforce, WinForms, CompTIA Project+

## Education

**B.S. Software Engineering (GPA: 4.0)**

Western Governors University • 2024

**A.S. Mathematics, A.A. Computer Science (GPA: 3.83)**

Laney College • 2022

## Projects

### Keto Diet RAG Pipeline • Python, LangChain, Ollama

- Developed a RAG system to synthesize insights from Keto related scientific PDF corpora, implementing local vector embeddings and natural language querying.
- Engineered a document ingestion pipeline featuring text chunking and metadata to ensure users can quickly find information they need.

### FitXAI: Ensemble-Based xAI Inference Engine for Workout Planning • Scikit-Learn, SHAP, Groq

- Engineered a multi-output Bootstrap Aggregated (Bagging) Random Forest regressor to predict quantitative training targets including intensity thresholds and volume metrics.
- Implemented a high-fidelity xAI pipeline using SHAP kernels to decompose ensemble decision paths, providing local post-hoc explanations for high-dimensional feature vectors to facilitate user interpretability of model decisions.