William Golovlev

AI Engineer • Software Engineer

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Experience

RoadOne Intermodal Logistics *Pleasanton, CA*
Software Developer 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 *Mountain View, CA*
AI Engineer Intern 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 *Cary, NC*
Functional Analyst Intern 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

Scientific Research RAG Pipeline • Python, LangChain, Ollama

- Developed a RAG system to synthesize insights from scientific PDF corpora, implementing local vector embeddings and natural language querying.
- Engineered a document ingestion pipeline featuring text chunking and metadata extraction for local inference, ensuring total data privacy.

Deep Learning from Scratch (Tabular Data) • PyTorch, Fast.ai

- Built a custom neural network for tabular data classification using PyTorch, implementing manual tensor operations and gradient descent from the ground up.
- Optimized model performance on the Titanic dataset through a custom preprocessing pipeline including categorical embeddings and normalization.