

Position: AI Research Engineer

About Bluemvmt

At Bluemvmt, we're revolutionizing data innovation through our cutting-edge cloud platform that transforms how organizations collect, explore, and leverage time series data from IoT devices. Our platform features automatic data and model versioning, intuitive sharing, and advanced orchestration systems—all powered by state-of-the-art conversational AI. We enable seamless collaboration and empower users to unlock the full potential of their data through intelligent automation.

Position Overview

We're seeking a Senior AI Research Engineer to lead the development of groundbreaking AI solutions that integrate multi-modal sensor data analysis with large language models. This role requires expertise in building production-ready AI systems and writing robust, scalable code for LLM applications.

Key Responsibilities

- Design and deploy production-grade AI applications using multiple LLM frameworks (Llama, Claude, GPT) and specialized tools like Time Series GPT/AI
- Develop sophisticated Chain-of-Thought prompting strategies for LLMs to analyze complex sensor data
- Design and train self-supervised learning models for sensor fusion, focusing on sonar and LiDAR integration
- Create and maintain MLflow pipelines for model training, deployment, and monitoring
- Architect custom ML models specialized in bathymetric analysis

Requirements

- Proven experience building production LLM applications across multiple frameworks
- Strong software engineering background with production code experience in Python and Go
- Expertise with LLM frameworks and APIs (OpenAI, Claude, Llama)
- Advanced knowledge of sensor fusion and self-supervised learning techniques
- Working knowledge of C
- Experience with MLOps tools (MLflow, GitHub, Jira)
- Exceptional problem-solving skills with ability to work independently and collaboratively
- Clear communication skills for effectively conveying complex technical concepts

Preferred Qualifications

- Experience with sonar or LiDAR data processing

- Knowledge of bathymetric analysis and underwater mapping
- Background in Oceanography or related research fields
- Experience with C/C++, Go, or Rust

Education

- Master's degree or PhD in Computer Science, Engineering, or related field (required)
- Bachelor of Science in Computer Science (required)

Position Details

- Contract-to-hire (3-month initial contract, potential extension to 6 months or conversion to full-time)
- Remote work position
- Must be a US citizen
- Must be eligible for security clearance
- Competitive compensation package

Bluemvmt is an equal opportunity employer committed to building a diverse workforce. We believe different perspectives create stronger teams and drive innovation. We encourage applications from candidates of all backgrounds.

Contact:

hr@bluemvmt.com