Vladyslav B.

AI/ML Engineer /
LLM Engineer

Summary of Qualifications	AI Engineer with 3 years of experience building AI systems, LLMs, and multi-agent workflows. Skilled in prompt engineering, RLHF dataset development, and Python-based automation for model evaluation. Strong background in machine learning, probabilistic modeling, and large-scale simulations. Experienced with Python, Hugging Face, LangChain, LangGraph, SQL, Docker, and GCP.

Skills

Programming Languages/Technologies

- Python
- SQL
- Object-Oriented Programming (OOP)
- Data Analysis & Processing

AI & Machine Learning

- Large Language Models (LLMs)
- Prompt Engineering
- RLHF Datasets
- RAG Systems
- AI Agents
- Machine Learning / Deep Learning
- NLP
- Vertex AI
- PGVector

Developer Productivity AI Tools

- ChatGPT
- Claude Code
- Gemini
- Copilot

Data Analysis Tools

- Excel
- Power BI

RDBMS

- MySQL
- PostgreSQL
- Alembic

NoSQL

- Redis
- PGVector
- MongoDB

Virtualization Tools

- Docker

Methodologies

- Agile
- Research & Experimentation

Frameworks/Libraries

- FastAPI
- SQLAlchemy
- LangChain
- LangGraph
- Hugging Face Transformers
- TensorFlow
- Scikit-learn
- NumPy
- Streamlit
- Pandas
- Matplotlib
- Seaborn

CI/CD

- GitHub CI/CD
- GitHub Actions

Version Control

- Git

Cloud Providers

- GCP

Development Tools

- Google ADK
- Vertex AI SDK
- Ollama
- Unsloth
- SerpAPI
- Firecrawl
- Jupyter Notebook
- Visual Studio
- PyCharm

Testing Tools

- Postman
- Pytest
- Unittest, Mock

Experience

Multi-Agent AI System

Project Description: Development of a multi-agent AI system designed to coordinate specialized agents capable of solving complex tasks through collaborative reasoning. The system focuses on optimizing agent performance through prompt engineering and automated evaluation pipelines.

Domain: Multi-Agent Systems | LLM Applications

Involvement Duration: 1 year

Project Role: AI Engineer

Responsibilities:
- Developed multi-agent systems using Google ADK
- Optimized agent performance using prompt engineering techniques
- Built Python automation scripts for testing and evaluation of agent behavior
- Implemented workflows for evaluating agent responses and improving reasoning performance

Project Team Size: 6 team members

Tools & Technologies: Python, Google ADK, Vertex AI SDK, LangChain, LangGraph, GCP.

RLHF Prompt Engineering & Dataset Development

Project Description: Worked on improving large language model robustness through prompt engineering and adversarial prompt dataset generation. The project focused on identifying model weaknesses, hallucinations, and logical inconsistencies to improve RLHF training datasets.

Domain: AI & ML | LLM Evaluation

Involvement Duration: 1 year

Project Role: LLM Prompt Engineer | AI Engineer

Responsibilities:
- Designed and tested more than 1000 adversarial prompts for RLHF pipelines
- Improved model robustness by identifying hallucinations and reasoning failures
- Developed Python automation scripts for prompt generation and batch evaluation
- Processed structured datasets using Pandas, JSON, and regex-based parsing

Project Team Size: 8 team members

Tools & Technologies: Python, Pandas, JSON, Regex, Hugging Face, LLM APIs.

Game Mathematics & Probabilistic Modeling

Project Description: Designed mathematical models for slot games including reel strips, paytables, and bonus mechanics. The work involved building simulations to evaluate gameplay metrics and balancing game economics.

Domain: Game Development | Mathematical Modeling

Involvement Duration: 0.5 years

Project Role: Game Mathematician | ML Engineer

Responsibilities:
- Designed probabilistic models for more than 10 slot games
- Implemented large-scale simulation pipelines generating millions of iterations to analyze gameplay outcomes
- Calculated RTP, volatility, hit rate, and bonus frequency
- Analyzed gameplay data from existing games to improve mathematical models

Project Team Size: 5 team members

Tools & Technologies: Python, NumPy, Pandas, Matplotlib.

Market Data Analysis & Research

Project Description: Conducted large-scale market research and data analysis to identify industry trends and insights for business decision-making.

Domain: Data Analysis | Market Research

Involvement Duration:	0.5 years
Project Role:	Data Analyst
Responsibilities:	▪ Performed data extraction and analysis using SQL and Excel ▪ Built complex queries to process large datasets ▪ Created pivot tables and reports to identify key market insights ▪ Developed structured analytical reports based on extracted data
Project Team Size:	10 team members
Tools & Technologies:	SQL, Excel, Power BI.

Certificates	**Data Analyst** DataCamp
	Natural Language Processing in TensorFlow DeepLearning.AI
	Mathematics for Machine Learning and Data Science DeepLearning.AI
	Supervised Machine Learning: Regression and Classification Stanford Online
	ChatGPT Prompt Engineering for Developers DeepLearning.AI
	Convolutional Neural Networks in TensorFlow DeepLearning.AI

Education	**Bachelor's degree in Management** Kherson National Technical University

Languages	**English –** Fluent **Ukrainian –** Native **Russian –** Native