

Curriculum Vitae - Nguyen Gia Bao

name : Nguyen Gia Bao

Personal Information

Nguyen Gia Bao

AI Engineer

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Address: HH4A Building, Linh Dam Urban Area, Linh Duong Street, Hanoi

Aspiration: To become an AI Engineer and Researcher.

Education

Thuy Loi University (Sep 2019 – Jul 2024)

Bachelor's Degree in Information Technology

Graduation Project: Developing a warning system for dangerous turns using deep learning in computer vision.

Experience

ATLAB (Feb 2023 – Sep 2024)

AI Intern

- Researched and developed AI application projects, focusing on NLP and Computer Vision.
- Studied information retrieval algorithms.
- Deployed systems on the web and IoT devices.

MobiWork Vietnam Technology JSC (Oct 2024 – Dec 2024)

AI Developer

- Built and fine-tuned AI-LLM-based systems for customer care and product usage guidance.

Moonlab Vietnam Technology JSC (Jan 2025 – Present)

AI Developer

- Developed AI-LLM applications for game projects and blockchain platforms.
- Created APIs and backend services to handle requests from client applications.
- Wrote automated tests to simulate user interactions and ensure system stability.
- Applied Prompt Engineering and Function Calling to improve response quality.
- Collected and analyzed RPC data from Solana and Ethereum networks.

Skills

- Knowledge and application of data structures and algorithms.
 - Object-Oriented Programming (OOP), multi-process, and multi-threaded programming.
 - Programming experience in Python and C++.
 - Experienced with TensorFlow, TensorFlow Lite, PyTorch, HuggingFace, OpenCV, Pandas, NumPy, Matplotlib, etc.
 - Proficient in code management tools.
 - Worked with databases: MongoDB, MySQL, SQL Server, ClickHouse.
 - Experience with Raspberry Pi 4 and 5.
 - Ability to read and understand English documentation.
 - Able to work independently and in a team.

Projects

NER – Named Entity Recognition (May 2023 – Jun 2023)

AI Developer

- Identified and classified adverse drug reactions from user comments on social media.
- Recognized drug names and symptoms from online discussions.

GitHub: https://github.com/cuoicungtui/DATNKAGGLELLM_SCIENCE

Kaggle LLM Science Exam (Jun 2023 – Nov 2023)

AI Developer

- Built a multiple-choice question-answering model for science-related questions in English (80% accuracy).
- Experimented with CNN, LSTM, BERT, DeBERTa, Electra.
- Used sentence-transformers and Wikipedia dataset for vectorization.
- Applied Faiss for similarity search and clustering.
- Implemented RAG for better accuracy.

ANPR (Jun 2024 –)

AI Developer

- Used YOLO for vehicle detection in images.
- Applied EasyOCR for license plate recognition.
- Stored images and license plates in database.

Dangerous Turn Warning System

AI Developer

- Combined object detection and tracking to detect vehicle trajectories and identify violations.
- Used SSD-Mobilenet-v2 Lite for Raspberry Pi deployment.
- Improved model speed and accuracy.

GitHub: <https://github.com/BaoBao112233/DATN-Traffic-Camera>

HR Assistant Crew

AI Developer

- Automated CV analysis to improve recruitment.
- Extracted key data from JDs and CVs.
- Classified and matched candidates to job openings.

Crypto Agents

AI Developer

- Automated Twitter data collection and trend detection.
- Built KOL content paraphrasing tool.
- Implemented token analysis and tracking across blockchains.