Dang Phuc Tri

Back-end Developer. Data Engineer.

✉ tridp.workmail@gmail.com   📞 +84 385394254   📍 Ha Noi, Viet Nam   ⭘ github.com/tripercy

EDUCATION

Phenikaa University

Bachelor of Computer Science (Data Science and Artificial Intelligence)   2021 - now

- Member of Phenikaa AIOT Lab (2021-2023).
- Core team member of Google Developer Student Clubs-Phenikaa University, chapter 2023.

AWARDS

- Third prize in the 2021 Vietnammese Olympiad in Informatics, Individual specialist category.
- Second place in the 2023 Vietnammese Olympiad in Informatics, Open source software category.

SKILLS

- Programming languages: C, C++, Rust, Python3, Java, JavaScript.
- Python Data science, Machine learning tools: pandas, numpy, matplotlib, scikit-learn, opencv, tensorflow, pytorch.
- Web developement: HTML/CSS/JS, React.JS, python Flask, python FastAPI.
- Soft: collaborating, problem solving, researching, critical thinking, time management, continuous improvement mindset, verbal and written communication.
- Language: Vietnammese (mother tongue), English (proficient in listening, reading and writing, competent in speaking)

PROJECTS

Phap dien   September - December 2023
- Smart Vietnammese legal codex look up cross-platform (web, desktop, phone) application, integrating LLM, RAG.
- Tasks: back-end system design and implementation. Research and intergrate LLM, implement RAG.
- Technologies: Python FastAPI, LangChain, openAI API, Google Palm (now Gemini) API, PostgreSQL, Flutter.
- Skills acquired: Back-end system designing/developing/deploying, user experience analysis, teamworking (medium sized team).

Curriculum advisor   March - June 2024
- A web-app system to assist Phenikaa student with problems about their program's subjects, where they can make questions about the program or ask for advise about which subject(s) should they enroll in.
- Tasks: back-end system design and developement, design query system to query from school's program database, design and assist in front-end developemnt, design and deploy machine learning model to handle user input/
- Technologies: Python FastAPI, React.JS, Tensorflow, Google Gemini API.
- Skills acquired: Leadership, system architecture, front-end developement, real world machine learning application.

NN From Scratch   July - September 2023
- Implementing a neural network from scratch in C++ for image classification (Personal project).
- Tasks: design a scalable architecture to easily create the network's nodes, layers, easily changing optimization algorithm. Research and implement optimization for the network's performance. Research and implement image processing in C++ using openCV.
- Technologies: C++, Cmake, C++ OpenCV.
- Skills acquired: Deep learning understanding, operating system understanding (for GPU acceleration), Machine learning model design, machine learning model optimization.