



Phạm Văn Quyết

SOFTWARE ENGINEER
AI ENGINEER



Cầu Giấy - Hà Nội



[Redacted email address]



[Redacted phone number]



Male

SKILLS

Computer Vision, NLP

Working group

Pytorch, TF, Paddle,

Onnx, Yolo

English

INTEREST

Read Book

Traveling

Cycling

CAREER GOALS

- Graduated in Computer Science, gain industry knowledge. Looking for a professional and dynamic personal development environment.
- Maximize your capacity in developing quality products.
- Desired jobs: Ai engineer, Computer Vision, Natural Language Processing, C++ Developer, Python Developer, ...

EDUCATION

09/2016 - 06/2020

University of Transport and Communications

Majors: Information Technology

EXPERIENCE

10/2019-04/2020

BKAV Corp | *Intern*

- Backend developer
- Python core

05/2020 - 05/2023

BKAV Corp | *Technology Company Bkav AI*

- Main code: Attendance: Face Recognition (FD/FR), Object detection, Automatic number-plate recognition (ANPR), Chatbot.
- Work on projects:
 1. Research Machine Learning & Deep Learning about problem Computer Vision, Image processing, exploit the whitepaper to find solutions to the issues raised.
 - [Redacted] an approach, Build project pipeline.
 - [Redacted] data for the problem: Experienced in programming data generation tools: tool automatic labeling, tool create image. From there, create a dataset, enrich the dataset with algorithms: blur/sharp, rotate, skew, add noise, ...
 - [Redacted] model, fine-tune, evaluate accuracy, improve model.
 - [Redacted] models to project responsive other formats: ONNX, Pytorch, TFLite, AIC100, Yolo ...
 - [Redacted] inference, main processor core programming.
 - [Redacted] service to implement Computer Vision problems.
 - [Redacted] deployment projects on Docker.
 - Completed projects: Face recognize, ANPR, Face-Anti Spoofing, Intrusion, forest fire detection, chatbot,

- **Experience accumulated during work:**

1. Proficient in python and C++ programming languages.
2. Proficient in Linux environment
3. Proficient in docker usage.
4. Proficient in using GitHub and GitLab.
5. Standard install only the necessary environments when working on both python and C++: Cuda, Cudnn, OpenCV, Tensorrt.
6. Experience working on Nvidia devices, encode and decode video on NVIDIA. Knowledge of Cuda programming.
7. Understanding of object-oriented programming, multi-threaded programming on python and C++.
8. Improve communication and presentation skills.
9. Good understanding of restfull API and communication between backend and frontend.
10. Understand networking and computer hardware.

SKILLS

Language and programming environment:

- Python (Main code language) - 3 years' experience
- C/C++ (Main code language) - 2 years' experience
- Linux (ubuntu os system): > 3 years.
- Bash Shell / Script (): Terminal, CMD.
- Database: MySQL, SQL Server.
- Others: HTML, CSS, Javascript, C#, Java, bash shell.

Key skills and experience:

- Experience in implementing Computer Vision projects (Face, object detection, object tracking, license plate recognition, chatbot, ...).
- Using processing libraries: OpenCV, Pillow, Numpy, Matplotlib, Pandas, ... in image processing, data preprocessing, data argument,... .
- Experience working with frameworks: Tensorflow, Keras, Pytorch, ... in model building, training and product programming.
- Experience with RESTful API programming using frameworks: Flask, FastAPI (python), libevent (C++).

Technology used

- Use project deployment tools: Docker & Harbor.
- Commit project code: GitHub, Gitlab.
- Technologies that support dev, deployment: OpenVPN, POSTMAN, Filezilla, Xmind.
- Deploy API server service with Nginx.

Projects worked on Machine Learning, Deep Learning

- Attendance project by face recognition (Company project)
- Smart Traffic Project (Company Project).
- Forest Fire Detection Project (Company Project).
- Border gate management project (Company project).
- Hospital bed management project (Company project).
- Research and build Multi Object Tracking algorithm.
- Research and convert models from Pytorch, Paddle platforms to Tensorrt platform to increase running speed.
- Chatbot (Company project)

Soft skills

- "Clean code" & write standard Python, C++ code according to the convention.
- Skilled in communication, teamwork, high concentration in work.
- As a perfectionist, the product should aim high in the project.
- Have the ability to read and understand the whitepaper and speak basic English.

Extensive work skills

- Computer hardware skills, installation of operating systems for project deployment, network configuration, deployment,...
- Knowledge of DepOps, writing service for Ubuntu Server operating system.
- Works well with Terminal, CMD, PowerShell.
- Knowledge of design patterns in building systems.