

DANG HUYNH TRUNG TIN

AI Engineer & Python Developer

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Tan Phu, Ho Chi Minh City, Viet Nam

TinDang

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"I only believe what things I understood. If not, make it clear."

Currently, I'm an AI engineer. I'm maintaining and deploying AI models as services. I'm very interested in new technologies and algorithms. I would be happy if I'm a contributor in the project that makes optimize things and open-source.

EXPERIENCE

AI Engineer

Dai Phat Solutions Co., Ltd

Aug 2019 – Present

Ho Chi Minh City, Vietnam

- Research and implement AI/ML (Computer Vision) algorithms.
- Build and train models using *PyTorch*. Processing array, and image. Performing models as application services for many tasks.
- Design and build a *Distributed Computing System* using *Message Queue System* (*Apache Kafka*, *Apache Pulsar*, *ZeroMQ*, etc.), *In-Memory Database* (*Redis*) to cache large data, and *Container Platform* (*Docker*, *Docker Compose*) for building up, scaling, and management applications in difference environments.
- Communicating the business's needs with the team to ensure the right product is created.
- Evaluating the needs of the project to determine which standards or tools are best for the project.
- Designing the project's system, handle data workflow, check bugs and ensure the project can be handled in the future.
- Having experienced with other tools while developing projects:
 - FFmpeg* is a large suite of libraries and programs for handling video, audio, and other multimedia files and streams.
 - Blosc* is a high performance compressor optimized for binary data. It includes *LZ4*, *SNAPPY*, *ZLIB*, etc.
 - TurboJPEG* is a fast JPEG encoding library.

Intern & Full-stack Software Developer

LogiGear Corp.

June 2018 – Mar 2019

Ho Chi Minh City, Vietnam

- Design and develop a web application for users can manage their wallets, contracts, and pools. It provides features for users to exchange transactions (trade, invest, etc.) in blockchain smart contracts via *MetaMask* to *Ethereum Network*.
- The professional web application was built by *ReactJS*, *NodeJS*, and *ExpressJS*. The user interface was designed by *Ant Design*. I also using some other tool like *Bootstrap4*, *MongoDB*, *Axios*, etc.

LANGUAGES

Vietnamese



English



EDUCATION

High-Quality Bachelor's in Computer Science

Ton Duc Thang University

2015–2019

HCMC

- GPA: 3.2/4.0

CERTIFICATES

Machine Learning A-Z™: Hands-On Python & R In Data Science

Kirill Eremenko, Hadelin de Ponteves, SuperDataScience Team on Udemy.

Dec 2020

HCMC

Agile Software Development with Scrum

Axon Active Vietnam Company.

2017

HCMC

SKILLS

Research Learning Problem-solving

Hard-working Critical thinking

Responsibility Analytical Team work

Technical & Tools

Python JavaScript Java

Pytorch Numpy OpenCV

Sklearn Pandas Linux

Deep Learning Computer Vision

Message Queue Apache Kafka ZMQ

In-Memory Database Redis

Docker Docker Compose VCS

Distributed System Similarity Search

Search Engine ElasticSearch Faiss

SQL Document Database Flask

System Design FFmpeg Data Crawler

Network and Hardware Troubleshooting.

PROJECTS

CameraAI – Dai Phat Solutions

AI Developer & Software Architect

🔗 <https://dps.com.vn/san-pham.htm/products/doanhnghiep>

The project has been implementing state-of-the-art models to improve CCTV security levels in the industry. It can make an alert when any abnormal activity in the security zone. The project's features are human detection, face recognition (recognize strangers and employees), human activity, and tracking multi-human location. Also, it can be adapting to large-scale, distributed, and high computing power.

Python, Pytorch, RetinaFace, InsightFace, Apache Kafka, Redis, Numpy, OpenCV, Dlib, Docker, Faiss, FFmpeg, PostgreSQL, ZMQ, Blosc, TurboJPEG, Socket.io

MOWEDEPool – LogiGear Corp.

Full-stack Developer

🔗 <https://www.logigear.com/services/qa-testing-services/smart-contract-test-automation>

MOWEDEPool secures your online investment with an approach that connects millions of crypto funders and wallets (e.g. bitcoin) and reduces the need for a middleman. Transparent smart contracts running on Ethereum set the requirements for contributors who join investing pools.

Smart Contracts Work: We developed high-quality Ethereum smart contracts as pools that let users together invest with desired tokens or cryptocurrencies (e.g. bitcoin). We also provided a front-end application (web application) and management contracts that allows MOWEDE and users to manage their pools (e.g. private key). The deliverables include source code, test design, and scripts.

Ethereum, Solidity, Ganache, Truffle, Truffle Test, NodeJS, ReactJS, Protractor.

Face Recognition – Tin Dang

Project Owner

🔗 https://github.com/TinDang97/face_recognition

The project is simple face recognition tool, which combine state-of-the-art Computer Vision Model in Face Detection, Face Embedding.

Python, Pytorch, Numpy, OpenCV, RetinaFace, InsightFace

Real-Time Human Detection CCTV – Tin Dang

Project Owner

🔗 <https://github.com/TinDang97/Real-Time-Human-Detection>

Nowadays, CCTV used by any people at home, garage, front store,... and one of important feature is Motion Detection at night. That improved by detect human in frame at realtime.

Python, YOLOv3, OpenCV

python-option – Tin Dang - Duy Huynh

Project Owner

🔗 <https://github.com/TinDang97/python-options>

Make python class with option base on property used to build options or configs.

Python

ffmpeg-py – Tin Dang

Project Owner

🔗 <https://github.com/TinDang97/ffmpeg-py>

ffmpeg-py is native python interface for FFmpeg and support data IO handle.

Python, FFmpeg
