

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 distributor 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.
- Have 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

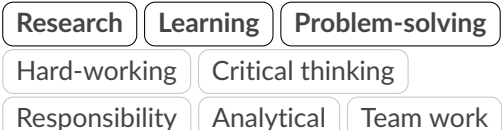
Agile Software Development with Scrum

Axon Active Vietnam Company.

2017

HCMC

SKILLS



Technical & Tools



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.

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.

Face Recognition – Tin Dang

Owner Project

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

Face Recognition is a personal project, which applies RetinaFace to detect faces. After that, I'm using the Insight Face model to create embedding from faces that have been split before.

In the register section, all embedding vectors will be normalized and store in the pool.

With the recognition section, faces detected will also normalized. The dot product of it with the pool above, which was used to find the nearest face.

Real-Time Human Detection CCTV – Tin Dang

Owner Project

🔗 <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 Security Mode at night. But it always alerts the user with anything motion. So the project's target is to upgrade the security mode of CCTV. I combine OpenCV Background Subtraction and Yolo-tiny methods to detect the human body in realtime. After detecting any motion on the screen, it only makes notify and record capture if any people detected.

python-option – Tin Dang - Duy Huynh

Owner Project

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

Nowadays, CCTV used by any people at home, garage, front store,... and one of important feature is Security Mode at night. But it always alerts the user with anything motion. So the project's target is to upgrade the security mode of CCTV. I combine OpenCV Background Subtraction and Yolo-tiny methods to detect the human body in realtime. After detecting any motion on the screen, it only makes notify and record capture if any people detected.

ffmpeg-py – Tin Dang

Owner Project

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

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