

# DANG HUYNH TRUNG TIN

## Data Engineer

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*"I just believed what things I understood. If not, make it clear."*

As a data scientist, I receive requests from businesses and plan to collect, transform, and visualize data that solve problems. Applying all artifacts as DL/ML algorithms or simple coding solutions to answer business questions. On the other side, I'm also interested in new technologies and algorithms. I shall be glad when being a contributor to the open-source project.

## EXPERIENCE

### Data Engineer

#### Vietmoney Corp

Mar 2021 – Present

Ho Chi Minh City, Vietnam

Viet Money is committed to provide fast and convenient financial solutions in online trading environment. Now, to be get a loan in cash is never easier than when you just only connect to the internet to sign up to us, cash will be served right at home.

- Collecting data from variate source, storing in BigQuery and modeling by ETL, ELT with Airflow.
- Transform data by Pandas and visualizing data using PowerBI.
- Designing and developing Distributed crawling system with large scale, high pressure, auto fault tolerant.
- Developing and deploying ML/DL model as service.
- Mining data from business to solve their problems as Data Analysis.

### Visiting Lecturer

#### Ton Duc Thang University

Feb 2022 – Present

Ho Chi Minh City, Vietnam

As a visiting lecturer, I have taught students in TDTU how practicing to apply design patterns that are proven solutions to a common problem in the development project process. Another side, students have discussed tech-life and coding experiences, etc.

### AI Engineer

#### Dai Phat Solutions Co., Ltd

Aug 2019 – Mar 2021

Ho Chi Minh City, Vietnam

Dai Phat Solutions is a unit operating in the field of Information Technology, providing Operational Management solutions for all types of businesses from standard to specialized.

- Research, design and maintain AI/ML projects as services.
- Designing and developing Face Recognition Project with optimizing infrastructure.

## EDUCATION

### High-Quality Bachelor's in Computer Science

#### Ton Duc Thang University

2015–2019

HCMC

- GPA: 3.2/4.0

## CERTIFICATES

### Data Analytics A-Z with Python

#### Yaswanth Sai Palaghat

Dec 2020

HCMC

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

#### Kirill Eremenko, Hadelin de Ponteves, Ligyency I Team, SuperDataScience Support, Ligyency Team

Dec 2020

HCMC

### Computer Vision with Python

#### Code Warriors, Kaustubh Tripathi

May 2022

HCMC

### Agile Software Development with Scrum

#### Axon Active Vietnam Company.

2017

HCMC

## LANGUAGES

Vietnamese



English



## SKILLS

Research

Learning

Problem-solving

Critical thinking

Responsibility

Analytical

Team work

- Optimizing process video and image with FFMPEG Library for Computer Vision realtime inference.
- Applying distributed system design for scale up, auto fault tolerant, and concurrency process.

## Intern & Full-stack Software Developer

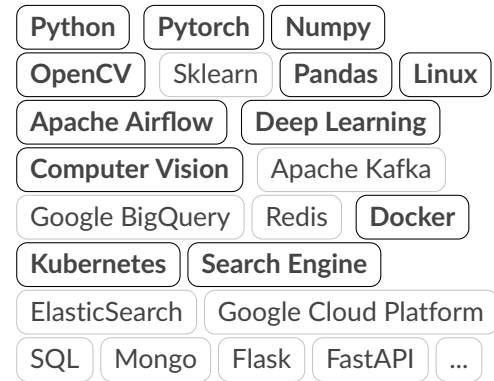
### LogiGear Corp.

📅 June 2018 – Mar 2019 📍 Ho Chi Minh City, Vietnam

LogiGear Corporation provides leading-edge Software Testing technologies and expertise, along with Software Development services that enable our customers to accelerate business growth while having confidence in the software they deliver.

- As a Full-stack developer, I developing 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.

## Technical & Tools



## PROJECTS

### Applied DL/ML For Anomaly Sale Detection – Vietmoney Corp

Developer

Multiple projects stacking to process anomaly sale articles for improving the performance of appraisal service.  
*Python, SKLearn, Pytorch, Bert...*

### Named Entity Recognition for Vietnamese Secondhand E-commerce – Vietmoney Corp

Developer

Applying Named-Entity Recognize model for Vietnamese second-hand trade news.  
*Python, Pytorch, Bert...*

### Face Anti Spoofing – Vietmoney Corp.

Developer

🔗 <https://github.com/vietmoney/face-anti-spoofing>

Pure Python - Face detection & anti-spoofing. Support Web API & Command-line interface.  
*Python, Pytorch, FastAPI, python-click, ...*

### Distributed Crawler System – Vietmoney Corp.

Developer

🔗 <https://gambaru.io/en/blog/distributed-crawling-system-la-gi>

Crawling E-commerce product data from variate web source by distributed system.  
*Python, Scrapy, Splash, Google PubSub, Google Cloud Services, JMESpath, FastAPI, Mongo, Kubernetes, Pydantic,...*

### 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. It's built fit with business logic.

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

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## 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.*

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## Face Recognition – Tin Dang

### Project Owner

🔗 [https://github.com/TinDang97/face\\_recognition](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*

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## 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*

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## 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*

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