DANG HUYNH TRUNG TIN

TinDang97

Data Engineer

TinDang

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

As a Data Engineering, I am not just preparing data to make the report. I know how to make a story from data, solving the problems of the business base on collected data. So, I help business owners listen to their stories, and make consult with the best operators.

EXPERIENCE

Data Engineer / Senior Data Engineer Vietmoney Corp

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

- Designed, built, and optimized data flow (ETL) effectively to business requirements.
- Built, and designed a backend software project by the C4 model.
- Build a data analytics platform for analysts, data engineers, and scientists to uncover hidden patterns, correlations, and valuable business insights to improve strategic business.
- Designed and built Asset Graph containing 20000+ nodes and 1m edges implement NetworkX, MongoDB, Redis that representation of model attributes and posts. That makes a result finding all posts of the model in 0.5s. The project target to represent features of similar products in the same brand or model.
- Built data pipeline on cloud based on Google BigQuery, Google Cloud Storage, Google Dataproc, and Google Dataflow, combine with data integration Airbyte, task scheduled by Apache Airflow.
- Prepare data for ML models and ad-hoc data requests of stakeholders by utilizing a range of technologies. Training and applying ML methods to improve business decisions.
- Distributed Crawling System: built and improve crawling system to collect data from second-hand E-commerce several websites with gain 2x performance reach 1000+ pages/hour, and built Admin page to manage services.
- Maintained and rebuilt Anomaly Second-hand E-commerce price detection API service improves 20% accuracy F1 score.
- Built an Extract entities API service trained in self-collected Vietnamese Second-hand E-commerce datasets, reach to 96% F1 score.
- Maintained and built Forecasting price of Second-hand E-commerce API service handling 10000+ models, and improved accuracy by 15% at the better price to appraise the property.
- Clustering Second-hand E-commerce post by the description for ranking similar posts.

EDUCATION

High-Quality Bachelor's in Computer Science

Ton Duc Thang University

2015-2019

HCMC

• College graduation ratings: Very good

CERTIFICATES

AWS Machine Learning Foundations Udacity

August 2022

Data Analytics A-Z with Python Yaswanth Sai Palaghat

Dec 2020

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

Kirill Eremenko, Hadelin de Ponteves, Ligency I Team, SuperDataScience Support, Ligency Team

Dec 2020

Computer Vision with Python Code Warriors, Kaustubh Tripathi

May 2022

Agile Software Development with Scrum

Axon Active Vietnam Company.

= 2017

HCMC

LANGUAGES

English







Built web application for Business Management Dashboards,
Partner Analysis Dashboards, Second-Hand Product Trending
Price. etc. that availability for departments can access to view.

Mentor

Mindx Technology School

As a Data Analysis mentor, I guide and support individuals interested in pursuing a career in data analysis. This involves sharing personal career experiences, inspiring and encouraging mentees, and providing a roadmap to success. In addition to sharing experience, the author also helps mentees develop the necessary technical skills to become successful data analysts, including teaching them how to explore data insights and use them to inform decision-making. Emotional support is also a critical aspect of mentoring, providing a supportive environment where mentees can discuss challenges and receive guidance and encouragement.

Visiting Lecturer

Ton Duc Thang University

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.

Data Scientist

Dai Phat Solutions Co., Ltd

苗 Aug 2019 – Mar 2021 | Full-time 🎈 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.
- Make PoC apply Object tracking to improve security area by CCTV
- Optimizing process video and image with FFMPEG Library for Computer Vision real-time inference.
- Designed & Built Security Camera AI based on distributed system design for scale-up, fault-tolerant, reliability, and availability. It can process and stream video frames to monitor web pages at 15 fps/s per camera for Human detection, Object tracking, and Face Recognition. That is available to process multiple cameras. Face Recognition has accuracy at 92% face space of up to 1000+.
- Maintained and built **Face Recognition Project** became checking employees in large industries with optimizing infrastructure.

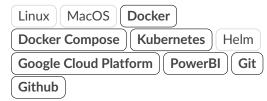
SKILLS



Data Tools & Big Data & Scripts

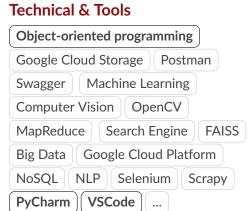


Deployments & Platforms



Web Development & Databases





PROJECTS

Forecasting secondhand product price service - Vietmoney Corp

Developer

Forecasting secondhand e-commerce price service that help business operators make decisions to control inventory. Python, SKLearn, Pytorch, Bert, Prophet, Faiss...

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 Crawling System - Vietmoney Corp.

Developer

• https://gambaru.io/en/blog/distributed-crawling-system-la-gi

Crawling E-commerce product data from variate web sources by a distributed system.

Python, Scrapy, Splash, Google PubSub, Google Cloud Services, JMESpath, FastAPI, Mongo, Kubernetes, Pydantic,...

CameraAl - Dai Phat Solutions

Data Scientist & Project 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 (recognizing strangers and employees), human activity, and tracking multi-human locations. Also, it can be adapted 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

Face Recognition - Tin Dang

Project Owner

The project is a simple face recognition tool, which combines 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 - "Arctic Code Vault Contributor - by GitHub"

• https://github.com/TinDang97/Real-Time-Human-Detection

Nowadays, CCTV is used by people at home, in garages, and front stores,... and one of the important features is Motion Detection at night. That improved by detecting humans in the frame in real-time.

Python, Yolov3, OpenCV

ffmpeg-py - Tin Dang

Project Owner

• https://github.com/TinDang97/ffmpeg-py

ffmpeg-py is a native Python interface for FFmpeg and supports data IO handle.

Python, FFmpeg
