Chuong Hoa Loc
AI, Machine learning and Data science

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About me

My specialties are machine learning (supervised learning, unsupervised learning), data science, backend development. Programming is my love and also my best skill. Seft-learning, good English and well disciplined help me handle a lot of challenges.

Working experiences

Over 5 years of coding and 4+ years working with Python. I can develop many kinds of projects based on Python language quite confidently. I focus on data science and machine learning. In Data science, my responsibilities are about ETL ,EDA, feature engineering, data visualization and building high quality prediction systems. I am familiar with many kinds of databases, framework for large-scale data processing and cloud platforms. My machine learning knowledge is based on critical mathematics background and hard practices. I am currently working on building and training the models, deploying the models on multi platforms such as docker, server API and applications. I am also using C++ for the requirements need fast and powerful.

Languages

Python,CUDA,C++,Bash

Development tools

Vscode, Atom, JupyterNotebook, JupyterLab, Google Colab,Git,GitHub,GitLab,etc.

Machine learning framework

Tensorflow, Pytorch, Scikit-learn.

Data Platforms

PostgresQL, MongoDB, SQLite, Spark.

Data science framework

Numpy, Pandas.

Data visualization

Matplotlib, Seaborn, PowerBI,etc.

Data crawling
Selenium,Beautifulsoup,requests-html

Computer vision
Opencv

Testing tool
pytest

Platform and environments
Conda, Docker,Google Cloud,API service,Heroku,etc.

OS
Linux,Windows

Projects

Name: confidentiality **Company:** Greystone Data systems   **Time:** Dec-2022
Role: Machine learning engineer

Description: Building a high accuracy detection object solution by machine learning.

Responsibility: Research, feature engineering, implement the ideas to code, building and training machine learning model, validate and testing, cooperate with the other teams to release a complete solution.

Name: ViOCR   **Company:** Vastbit co.ltd   **Time:** Sep-2022 to Nov-2022
Role: AI engineer and backend developer

Description: Building REST API server for checking identity cards in Vietnamese language.

Responsibility: Building solution, developing database server and APIs service. Apply OCR machine learning model for detection and recognition of the content. Improve the results by tuning the model, preprocessing and post-processing, packaging and deploying the product.

Name: SmartVision   **Company:** iteam1   **Time:** June-2022-July-2022   **Role:** Machine learning engineer and backend developer

Description: Use InceptionV3 and LSTM model for making the caption in the images,This project is a combination of CNN and RNN architecture in Deep learning. It can be implemented on a web-server or real time application.

Responsibility: Building and training model, develop machine learning server for predicting the caption of posted image, and integrate to real-time application.

Name: Jetboy robot   **Company:** Vastbit co.ltd   **Time:** Dec-2020 to Nov-2022
Role: AI engineer

Description: Jetboy is a robot integrated A.I.Jetboy has ability to do low-level machine learning applications as similar as image recognition, object detection,semantic segmentation, pose estimation, etc or higher level missions as be an assistant.

Responsibility: Research, define concepts, building the architecture, building the protocols, applying and simulating algorithms. Testing solutions in real environment. UI/UX design. Apply machine learning model to specific function, cooperate with the other teams to release a complete solution. Packaging and deploy product.

Name: SmartStock   **Company:** iteam1   **Time:**Aug-2021 to Sep-2021 **Role:** Machine learning engineer, Backend developer

Description: Apply the deep learning RNN models to predict series data, build a web-application for predicting input data and having the ability to train with your own custom datasets.

Responsibility: Building and training RNN models, validating prediction and tuning models parameters. Backend development.

Name: UNet lung segmentation   **Company:** iteam1   **Time:** June-2021 to Aug-2021
        Role: Machine learning engineer

Description: Medical Image Segmentation is the process of automatic detection of boundaries within images. Using CNN with U-Net architecture.

Responsibility: Building and training RNN models, validating prediction and tuning models parameters.

Name: face-app   **Company:** VV Solutions   **Time:** Oct-2020 to Mar-2021 **Role:** Machine learning engineer

Description: This face recognition application detect and recognize user face, record to the database, connect to API server.

Responsibility: Develop and integrate face recognition model to software application, cooperate with the other teams to deploy product.