

# GIẢN THỊ LINH HIỀN

## Career Objective

- To participate in the AI products' developments in finance or related domains.
- Work hard and be dedicated to become a Senior AI Developer in the future.

## Work Experience

[REDACTED] (from April 2022 to present)

[REDACTED] (from June 2023 to present).

With the desire to save time on manual data entry for transaction officers when handling documents, the main task of the project team is to develop a service to extract information fields from scanned

[REDACTED] my main tasks performed in this project:

- Clarify requirements from BA and Business Users.
- Analyze data features and seek suitable solutions for the problem of Document Image Understanding.
- Data processing, training and tuning of the model for tasks: text detection, text recognition and key-value extraction.
- Model optimization and conversion to run on CPU.
- Develop the microservice and integrate it to the whole workflow system for information extraction.

[REDACTED] (from August 2022 to March 2023). For this project, the solution for the Object Detection problem is using the

[REDACTED] (June 2020 - Now)

**1. GDPR project** - this project aimed to develop models to detect and blur human faces and vehicle license plates on data collected from Europe as required from GDPR (General Data Protection Regulation) policy. Processed data was used for testing ADAS (Advanced Driver Assistance Systems) for

[REDACTED]

- Data pre-processing: prepare dataset, use pre-trained data for generating pseudo-label, convert to right format, select data and augment data to train the model.
- Model building: experiment YOLO series, customize model.
- Statistic and analyze prediction cases from the test set, in order to find out augment data and customize the hyperparameter of the model.
- Data post-processing: add tracking algorithm face and plate on video.

- Integrate developed model to system: write unit test for inference code in system.

## 2. Auto Pilot Testing Project - Apply semantic segmentation model to predict lane markings on road

- Data pre-processing: find open dataset about lane markings segmentations, convert dataset to right format and augment data.
- Used a pre-trained model to train the prepared dataset.
- post-processing: converted output of model to the same format with the test formatted

## 3. VinHR Project - Based on data collected from wearable devices of staffs, develop model to detect

- Preprocessed, analyzed and visualized labeled data.
- Experiment Machine Learning algorithms: K-Means and Support Vector Machine for time series data.

(May 2019 - May 2020)

- Developed to extract and migrate data among shopping carts for Ecommerce Websites.
- Analyzed and implemented to export and import data from Websites' databases.
- Tested to ensure the accuracy and completeness of data when transferred.
- Implemented to fix errors/issues arising during transferring.

## Skill

- Programming in Python.
- Skills in using Deep learning libraries: Pytorch, ONNX, OpenCV.
- Data analysis skills with libraries: Numpy, Pandas, Matplotlib.
- Skills in using Git for project source code management.
- Ability to self-study, research, and solve technical problems related to the project.

## Education

- From 9/2023 to present: Master's Degree in Computer Science at the University of Technology, VNU.
- From 4/2020 to 8/2020: IBM Data Science Professional Certificate.
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- From 2015 to 2019: Bachelor of Mathematics - Hanoi University of Education, GPA 3.0/4.0.