DOAN TRONG HIEU

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EXPERIENCE

- **VTC Academy** — Ho Chi Minh City, Vietnam
  AI Engineer — *05/2023 - 01/2024*
  - Research and implement AI solutions for Educational Projects.
    * Develop text-related features using Langchain, including document (PDF, TXT, etc.) querying and chatbot capabilities.
    * Design a website utilizing Stable Diffusion's checkpoints, featuring a user-friendly prompting template for quick person photo generation. Train the model to generate images of a specific person using special tokens.
    * Identify weaknesses and improve the frontend and backend of the current system.
    * Develop an API for generating a video of a person speaking a script from their input photo.
    * Conduct models testing for Image Animation problem (image-animation of a source image by a driving video) under the project's criteria.
    * Design APIs to support AI models that retrieve data from presentation files.

- **Virtual Assistant Center - VinBigData** — Ho Chi Minh City, Vietnam
  AI Engineer Intern — *07/2022 - 05/2023*
  - Research and develop end-to-end systems for voice-based age, gender, and region identification, including data processing, model deployment, and a demonstration.

- **FuviTech Co.,Ltd** — Ho Chi Minh City, Vietnam
  AI Engineer Intern — *04/2022 - 06/2022*
  - Managing and testing electronic components, as well as providing customer service and support.
  - Develop a machine learning model for classifying abnormalities on industrial objects.

EDUCATION

- **Ton Duc Thang University** — Bachelor of Automatic Control
  Ho Chi Minh City, Vietnam — *2018 - 2023*

SKILLS

- **Back End Development**
  - **Languages**: Python, JavaScript, TypeScript
  - **Web Development Frameworks and Runtimes**: FastAPI, NodeJS
  - **Databases**: PostgreSQL, MongoDB, Redis
  - **Clouds**: AWS
- **Front End Development**
  - **Languages**: HTML/CSS
  - **Frameworks**: ReactJS
  - **UX, UI**: Tailwind CSS, Framer Motion
- **DevOps**
  - **Containerization and Orchestration**: Docker, Kubernetes
  - **Version Control**: Git/Github
  - **CI/CD**: Gitlab CI, Jenkins
- **Machine Learning**
  - **Frameworks**: Langchain, PyTorch, TensorFlow/Keras
  - **Packages**: Gradio, NumPy, OpenCV, Pandas, Matplotlib, Seaborn
- **Project Management**
  - **Tools**: Jira, Confluence

PROJECTS

- The Tourist Booking App ↗   10/2023 - 12/2023
  - Tech Stack: Node.js, Express, MongoDB, Mongoose
  - Description: Powered by Node.js, Express, MongoDB, and Mongoose, my app comes equipped with essential API features, including authentication, user management, tour listings, and reviews, enabling you to plan your vacations effortlessly.

- Gym Exercise Helper ↗   09/2022 - 10/2022
  - Tech Stack: OpenCV, TensorFlow
  - Description: Utilizing BlazeFace pose detection and LSTM neural networks for action recognition, this project aims to create a system that monitors and counts exercise repetitions in a gym setting, providing real-time feedback to users for improved workout performance.

- Face Verification for Security Applications ↗   08/2022 - 09/2022
  - Tech Stack: OpenCV, TensorFlow
  - Description: Developing and testing a Siamese Network-based solution using OpenCV to verify faces efficiently and accurately.

- RoboVision: AI Mobile Robot ↗   08/2021 - 03/2022
  - Tech Stack: OpenCV, Tensorflow
  - Description: Combining hardware design, edge AI, and computer vision, this project aims to create a self-driving robot capable of traffic sign detection and lane keeping, contributing to enhanced road safety.
    * Development of a Mobile Robot with Solidworks.
    * Edge AI Device Integration: Integrate the Nvidia Jetson Nano as an edge AI device.
    * Traffic Sign Detection with Convolutional Neural Networks (CNN).
    * Lane Keeping with Convolutional Neural Networks (CNN).

- Food Delivery Service (Landing Page) ↗   03/2022 - 04/2022
  - Tech Stack: HTML/CSS
  - Description: Food Delivery Landing Page crafted with HTML/CSS.

COURSES

- Machine Learning Engineering ↗   01/2024 - 06/2024
  robusto.ai - Full Stack Data Science

- Data Structures and Algorithms ↗   10/2023 - 11/2024
  BigO Coding

- Artificial Intelligence ↗   05/2022 - 05/2023
  AI VietNam

CERTIFICATES

- TOEIC 835 ↗   04/2022 - 04/2024
  IIG Viet Nam

- Associate - Mechanical Design ↗
  Dassault Systemes

ACHIEVEMENTS

- Student With Five Goods Merits ↗   08/2020
  Ton Duc Thang University