Nguyen Doan Hieu Nguyen

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EDUCATION

FPT University   **September 2020 – Present**
Bachelor of Artificial Intelligence - Current GPA 9.31/10   *Ho Chi Minh City, Vietnam*

AWARDS

- 100% Scholarship at FPT University HCM ⬀
- Third prize of Algebra group in FPT Mathematics Olympic 2022 ⬀
- FPT University Golden Toad of Engineering Major Spring 2022 - the award for the most excellent student in a semester ⬀
- First prize at FPT Edu Hackathon 2022 - the competition on Algorithm and Blockchain application ⬀
- Second prize at FPT University HCM Research Festival 2023 - the competition on Scientific Research at FPT University HCM
- First prize at FPT Education Research Festival 2023 - the competition on Scientific Research at FPT Education

PROJECTS

Vietnamese Receipt Information Extraction ⬀   **March 2023**

- **Receipt information extraction** is the process of automatically identifying and extracting relevant information from receipts, such as the date, merchant name, total amount, and individual item prices.
- In this project, we focus on working with Vietnamese-language receipt

Video Colorization   **May 2022**

- Uses Swin Transformer backbone and other submodules to create an exemplar-base recurrent neural network for video colorization.
- The paper that wins Second prize at FPT HCM University Research Festival 2023.

Social distance and mask detection ⬀   **December 2021**

- Detects whether people in a video are wearing masks and keeping a safe distance with an accuracy of about 80% and 60%, respectively.
- I created this project when I participated in Zalo AI Challenge 2021, in group Computer Vision.

WORK EXPERIENCE

Gradients Research ⬀   **August 2022 – Apr 2023**
AI Undergraduate Researcher   *Ho Chi Minh City, Vietnam*

- Doing research and development in many fields: Computer Vision (2D to 3D object, virtual try-on, etc.), Natural Language Processing (chatbots using T5 model), multi-modal (clothes retrieval), etc.
- Participated in projects related to mobile programming (taking photo based on heart hand-sign detected), Data Engineer (Prepare data for training models)

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, Latex
Developer Tools: VS Code, Colab, Kaggle
Technologies: WSL, GitHub, Docker, Ngrok
Frameworks: Tensorflow, Scikit-learn, Pytorch, Jax, Django, Streamlit

EXTRACURRICULAR

Developer Student Community - FPT University HCMC ↗   **January 2022 – Present**
Core-team member   *Ho Chi Minh, Vietnam*
- DSC is a 3-year-old official club at FPTU that involves in programming with several branches
- As a member of the Artificial Intelligence branch, I participated in several activities: celebrating events, doing the research, guiding the junior, etc.

Skolareach - Reach Scholarship Area ↗   **May 2021 – Present**
Co-founder – Mathematics Leader   *Ho Chi Minh, Vietnam*
- Skolareach is an organization that provides paid courses to help students win the FPT Scholarship
- Together with my friends, I founded this organization and worked as Mathematics Leader.
- In 2023, more than 90% of Skolareach's students achieved FPT University Scholarship.

FPTU Scholarship hunter group ↗   **Mar 2021 – May 2021**
Mentor   *Ho Chi Minh, Vietnam*
- FPT University Ho Chi Minh organized this group to help high school students in the Southern region train themselves to win the FPT Scholarship
- I worked as a group mentor for 3 months.

CERTIFICATIONS

- Deep Learning
- DeepLearning.AI TensorFlow Developer
- TensorFlow: Advanced Techniques
- Generative Adversarial Networks (GANs)
- More