Nguyen Doan Hieu Nguyen

Ho Chi Minh city, Vietnam

📞 +84 928252927 ✉ hieunguyen.kientuong@gmail.com ⬡ ndhieunguyen 🅗 ndhieunguyen ⬈ ndhieunguyen

SUMMARY

AI researcher with an excellent bachelor's degree in AI from FPT University. Skilled in research, data collection, model building, and result evaluation. Dedicated to pushing boundaries in AI and seeking impactful projects.
Research interest: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Image processing

EDUCATION

FPT University   **09 2020 – 01 2024**
Bachelor of Information Technology (Artificial Intelligence) - GPA 9.2/10   *Ho Chi Minh City, Vietnam*

RESEARCH

Vitexco: Exemplar-based Video Colorization using Vision Transformer ⬈   **01 2024**
- We create a model incorporating a Vision Transformer backbone and complementary subnetworks to transfer the colors from a reference image to a grayscale video
- The paper was accepted at ICTC conference (Jeju - South Korea) ⬈

Swintexco: Exemplar-based Video Colorization using Swin Transformer ⬈
- An improved version of Vitexco applied Swin Transformer instead of Vision Transformer with many improvements, resulting in high-quality results and high-speed inferencing.
- The paper was submitted to Expert Systems With Applications journal

AWARDS

- Achieved 100% Scholarship at FPT University HCM ⬈
- Awarded Third prize of Algebra group in FPT Mathematics Olympic 2022 ⬈
- Awarded FPT University Golden Toad of Engineering Major Spring 2022 - the award for the most excellent student in a semester ⬈
- Awarded Champion prize at FPT Education Hackathon 2022 - Competition on Blockchain application ⬈
- Awarded Champion prize at FPT Education Research Festival 2023 - Competition on Scientific Research ⬈

WORK EXPERIENCE

Gradients Research   **08 2022 – 04 2023**
AI Undergraduate Researcher   *Ho Chi Minh City, Vietnam*
- Took research in many fields: Computer Vision (2D to 3D object, virtual try-on, Heart hand-sign detection, etc.), Natural Language Processing (chatbots using T5 model), multi-modal (clothes retrieval), etc.

TECHNICAL SKILLS

Programming languages: Python, Java, C, C++
Developer Tools: VS Code, Colab, Kaggle, Linux server
Frameworks: Tensorflow, Scikit-learn, Pytorch, Flax

EXTRACURRICULAR

Developer Student Community - FPT University HCMC ⬈   **01 2022 – 12 2023**
Core-team member   *Ho Chi Minh City, Vietnam*
- DSC is a 3-year-old official club at FPTU that involved 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.

CERTIFICATIONS

- Deep Learning
- Generative Adversarial Networks (GANs)
- TensorFlow: Advanced Techniques