Tuan Van LE ( )

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EDUCATION

Bachelor of Engineering in Electronics and Telecommunications, Hanoi University of Science and Technology, Vietnam. ***09/2016 – 08/2021***

Thesis: "Building a system to evaluate the balance ability of the human body based on image processing"

Outcomes: CGPA: 3.62/4.0 (equivalent to 90.5%),
Published 2 journal articles.

CURRENT EMPLOYMENT

AI Researcher, AI Research Lab, SDSRV, Samsung SDS, Samsung Group. ***02/2023-Now***

Applied Scientist, Department of AI Computer Vision, VinBrain, Vingroup, Vietnam. ***02/2022–12/2022***

AI Engineer in AI Engineer Training Program, VinBigdata Institute, Vingroup, Vietnam. ***09/2021 – 01/2022***

RESEARCH EXPERIENCE

AI Researcher, "Extracting all potential pairs of key - value in any documents from a specific domain". Outcomes: A general Key Information Extraction (KIE) model to extract all potential pairs of key - value in any documents from the financial and insurance sphere. (Samsung SDS) ***02/2023 - 06/2023***

Applied Scientist, "Segmenting hepatic region for the multi-phases dynamic CT images''. Outcomes: A deep learning model to segment hepatic region in CT images. (VinBrain) ***07/2022–12/2022***

Applied Scientist, "Classifying phase for the multi-phases dynamic CT images''. *Outcomes*: A deep learning model to classify phases in CT images. (VinBrain) ***02/2022–06/2022***

Researcher, "Developing image processing pipeline to collect and extract data from balance disorder patients". *Outcomes*: A tool to extract the information of the patient's sway using image processing algorithms. (HUST) ***08/2020 – 06/ 2021***

Researcher, "Designing IOT system to monitor environmental factors in the library". *Outcomes*: A hardware system including nodes and hub, and website obtaining data real-timely to monitor and maintain the environmental quality. (HUST) ***08/2019 – 07/ 2020***

Researcher, "Quantitatively evaluating the balance disorder patient through the central point of mass". *Outcomes*: A hardware system and a software to collect and analyze data using machine learning. (HUST) ***12/2017 – 07/2019***

SKILLS

Programming languages	Skills in Python, Matlab, C/C++
Software development	Git, Docker, Linux
Deep learning framework	Pytorch
Deep learning applications	Strong experience in both implementing and training deep learning models, such as image classification, image segmentation, key information extraction, relation extraction.
Academic research	Significant experience in research, including conducting literature review, designing electronic

	circuits, developing software programs, and writing research proposals, thesis, and publications.
Communication	Effective writing and presentation skills demonstrated in the undergraduate study, via research publications.

LANGUAGES

- Vietnamese (mother-tongue)
- English (IELTS 6.0)

HONORS & AWARDS

- *Employee of the month* in August 2023, Samsung SDS, Vietnam
- *Certificate of Excellent Graduate Student* in 2021, HUST, Vietnam.
- *Certificate of Teaching Assistantship* in 2020, for one semester at the School of Electronics and Telecommunication, HUST, Vietnam.
- Top 6 in "*Sang tao tre 2019 [Youth Innovation 2019]*" – "Smart up for life" organized by Hanoi University of Science and Technology, HUST, Vietnam.
- *Scientific Research Student Award*, Department of Electronics Technology and Biomedical Engineering, HUST, Vietnam.

PUBLICATIONS

[1] Tran Anh Vu, Hoang Quang Huy, **Le Van Tuan**, Pham Thi Viet Huong, "A novel fast-qualitative balance test method of screening for vestibular disorder patients," *Indonesia Journal of Electrical and Computer Science*, vol. 25, no. 2, 2022, pp. 910-919, (ISSN: 2502-4752).

[2] Tran Anh Vu, Hoang Quang Huy, Nguyen Anh Tu, **Le Van Tuan**, Le Viet Khanh, Pham Thi Viet Huong, "The models of Relationship Between Center of Gravity of Human and Weight, Height and 3 Body's Indicators (Chest, Waist and Hip)", *Journal of Science & Technology Technical Universities*, pp. 57-61, no. 139, 2019. (ISSN 2354-1083).