

LE BA KHANH TRINH

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OBJECTIVE

Seeking a PhD position in a professional organization to improve my current research and technical skills for practical image processing and computer vision applications.

EDUCATION

Master of Engineering in Computer Science, Chonnam National University, South Korea 2018 - 2020

- GPA: 4.3/4.5
- Thesis: Improved U-Net for Medical Image Segmentation using Spatial-Channel Attention Gate
- Advisor: Prof. Hyung-Jeong Yang

Bachelor of Engineering in Computer Science, Ho Chi Minh City University of Technology, 2013 - 2018
Vietnam National University Ho Chi Minh City, Vietnam

- GPA: 7.75/10.0
- Thesis: Building a system for detecting table regions in document image (Grade: 9.92/10.0)
- Advisors: Dr. Tran Tuan Anh and Dr. Nguyen An Khuong

Gifted class in Mathematics, Luong Van Chanh High School for the Gifted, Phu Yen, Vietnam 2010 - 2013

PUBLICATIONS

- **Trinh Le Ba Khanh**, Soo-Hyung Kim, Gueesang Lee, Hyung-Jeong Yang, Eu-Tteum Baek, "Korean video dataset for emotion recognition in the wild," *Multimedia Tools and Applications (IF:2.6)*, 2020.
- **Trinh Le Ba Khanh**, Duy-Phuong Dao, Ngoc-Huynh Ho, Hyung-Jeong Yang, et al., "Enhancing U-Net with Spatial-Channel Attention Gate for Abnormal Tissue Segmentation in Medical Imaging," *Applied Sciences (IF:2.47)*, 2020.
- **Trinh Le Ba Khanh**, Dung Tran Thi, Hyung-Jeong Yang, et al., "Improved U-Net for Medical Image Segmentation using Attention Gate," *International Workshop on Frontiers of Computer Vision*, 2020.
- **Trinh Le Ba Khanh**, Luu-Ngoc Do, Woong Yoon, Ilwoo Park, Hyung-Jeong Yang, et al., "Assessment of ASPECTS from CT Scans using Deep Learning," *Journal of Korea Multimedia Society*, 2019.
- Anh Tien Nguyen, **Trinh Le Ba Khanh**, Hyung-Jeong Yang, et al., "Quality Evaluation of Synthesized Human Face Images From Generative Adversarial Network," *International Conference on Big Data Applications and Services*, 2018.
- Thong Huynh-Van, **Trinh Le Ba Khanh**, Tuan Anh Tran, Khuong Nguyen-An, Hyung-Jeong Yang, Soo-Hyung Kim, "Learning to Detect Tables in Document Images using Line and Text Information," *International Conference on Machine Learning and Soft Computing*, 2018. (co-author)

EXPERIENCE

Computer Vision Research Engineer Apr 2020 - Present
Viettel Cyberspace Center, Vietnam *Full-time*

- Building a system for extracting informations of Identification Card, Business Card, Business License.

AI Researcher Mar 2018 - Feb 2020
Smart Computing Lab, Chonnam National University, South Korea *Full-time*

- Classification, segmentation in medical imaging.

- Detection of fake face created by GAN model.
- Video emotion recognition.

SKILLS

Knowledge	Image Processing, Computer Vision, Machine Learning, Deep Learning (Classification, Segmentation, Detection, OCR, Graph Convolutional Network, GAN)
Technology	OpenCV, Numpy, Sklearn libraries, Deep Learning frameworks (Pytorch, Keras)
Programming	Python, C/C++, MATLAB
Language	Vietnamese, English (TOEIC 775, IELTS target 6.5)

HONORS & AWARDS

- Excellent student scholarship, Chonnam National University, South Korea, 2020.
- Excellent student scholarship, Ho Chi Minh City University of Technology, VNU-HCM, Vietnam, 2018.
- **Honorable Mention**, Vietnam Mathematical Olympiad, 2013.

REFERENCES

- **Dr. Tran Tuan Anh**
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- **Dr. Nguyen An Khuong**
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nakhuong@hcmut.edu.vn
- **Dr. Ho Ngoc Huynh**
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