

Dinh-Son Tran

Data Scientist

Highly adaptable, result-driven problem solver seeking to build technologies that make people's live easier



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Seoul, Korea 📍

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WORK EXPERIENCES

Machine Learning Engineer, Technical Leader

Althe

03/2020 - Present

Seoul, Korea

Achievements/Tasks

- Developing, Optimizing & Maintaining Vehicle Information Recognition for Hyundai Capital;
- Developed Voice Cloning System for Korean;
- Developing Virtual Fitting System;
- R&D: Sensitive Data Detection.

Contact: <http://aithe.io/main/main.php>

Machine Learning Researcher

Center for Photonic Systems (CPS), Sejong University

06/2019 - 03/2020

Seoul, Korea

Focus on the development of optical technologies

Achievements/Tasks

- Optical Coherence Tomography-based Machine Learning for Predicting Fractional Flow Reserve in Intermediate Coronary Stenosis;
- Object detection using Deep Learning.

Research Assistant

Smart Computing LABoratory

03/2017 - 02/2019

Seoul, Korea

Achievements/Tasks

- Develop a real-time hand gesture recognition system using 3D-CNN and a single camera;
- Bone Age estimation using whole-body SPECT, Bone Tumor Detection in X-Ray images;
- Audio-based emotion recognition;

Contact: <http://sclab.cafe24.com/>

Junior Data Scientist

Groupama

06/2016 - 12/2016

Ho Chi Minh, Vietnam

Global insurance company: <http://www.groupama.com/>

Achievements/Tasks

- Data analysis;
- Statistical modeling for financial reports;

EDUCATION

Master of Computer Science

Chonnam National University

03/2017 - 02/2019

Gwangju, Korea

Bachelor of Statistic

Ton Duc Thang University (TDT)

09/2012 - 06/2016

HCM, Vietnam

SKILLS

Python

R

Matlab

SQL

Tensorflow/Keras

Pytorch

Numpy/Pandas/Scikit-learn/OpenCV

PAPERS (TOP PAPERS)

[1] Dinh-Son Tran, Ngoc-Huynh Ho, Hyung-Jeong Yang*, Soo-Hyung Kim, Guesang Lee, Eu-Tteum Baek, "Hand Gesture Spotting and Recognition using RGB-D Camera and 3D CNN". Applied Sciences, 2020 (Q1, IF > 2); (02/2020)

[2] Jung-Joon Cha, Tran Dinh Son, Jinyong Ha, Jung-Sun Kim, Sung-Jin Hong, "Optical Coherence Tomography-based Machine Learning for Predicting Fractional Flow Reserve in Intermediate Coronary Stenosis: A Feasibility Study," Scientific Reports (IF: 3.998);

[3] Dinh-Son Tran, Hyung-Jeong Yang*, Soo-Hyung Kim, Guesang Lee, "Real-Time Virtual Mouse System using RGB-D Images and Fingertip Detection", under revision, Multimedia Tools and Applications (IF: 2.6).

[4] Dinh-Son Tran, Hyung-Jeong Yang*, "Audio-based Emotion Recognition using GMM Supervector and SVM Linear Kernel", Conference on Machine Learning and Soft Computing (ICMLSC 2018) (Best Paper); (12/2018)

PATENTS

양형정, 김수형, 정성택, 주상돈, 호낙환, 트란딘썸, 골 종양 탐지 시스템, 출원번호: 10-2019-0002323 (2019. 1. 8). 등록번호: 10- (2019. xx. xx.) (LINC+) (01/2019 - 2020)

양형정, 김수형, 정성택, 주상돈, 호낙환, 트란딘썸, 가상 마우스 시스템 및 그 제어 방법, 출원번호: 10-2019-0004760 (2019. 01. 14). 등록번호: 10-2052449 (2019. 11. 29) (01/2019)

양형정, 트란딘썸, 김수형, 이귀상, 손 제스처 인식 시스템 및 방법, 출원번호: 10-2018-0126569 (2018.10.23), 등록번호: 10-2107182 (2020.04.27.) (10/2018)

LANGUAGES

Vietnamese

Native or Bilingual Proficiency

English

Full Professional Proficiency

Korean

Professional Working Proficiency

INTERESTS

Computer Vision

Image Processing

Machine Learning

Deep Learning