

# Dinh-Son Tran

## Data Scientist

I'm a data scientist with +3 years of experience in AI/ML projects, and +2 years in data analysis, data preprocessing. Highly adaptable, team-player, problem solver seeking to build technologies that make people's live easier.



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## WORK EXPERIENCES

### ML Engineer, Technical Leader Althe

03/2020 - Present *Seoul, Korea*

#### Achievements/Tasks

- Developed Vehicle Information Recognition for Hyundai Capital; (demo: <https://www.youtube.com/watch?v=7JH35wBkYFA>)
- Developed Voice Cloning System for Korean;
- Developed Virtual Clothes Fitting System; (demo: <https://www.youtube.com/watch?v=qXimcgYrR4o>)
- R&D: Sensitive Data Detection, Gesture Recognition.

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

- Signal Recognition using DL;
- Medical Image Processing;

### Computer Vision Researcher Smart Computing LABoratory

03/2017 - 02/2019 *Seoul, Korea*

#### Achievements/Tasks

- Develop a real-time hand gesture recognition system using 3D-CNN and Kinect Depth Sensors;
- 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*

#### Achievements/Tasks

- Data analysis, data processing;
- Statistical modeling for financial reports;

Contact: <http://www.groupama.com/>

## 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 Programming

Tensorflow

SQL

Machine Learning

Deep Learning

Data Mining

Computer Vision

Image Processing

Medical Image Processing

Data Analytics

Data Visualization

Team Leadership

## PAPERS

[1] Dinh-Son Tran, Ngoc-Huynh Ho, Hyung-Jeong Yang\*, Soo-Hyung Kim, Gueesang Lee, Eu-Tteum Baek, "Hand Gesture Spotting and Recognition using RGB-D Camera and 3D CNN". Applied Sciences, 2020 (Q1, IF: 2.490);

[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, Gueesang 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)

하진웅, 트란딘썸 "기계 학습 기반의 분획혈류예비력 예측 방법" 대한민국 특허 출원번호: 10-2020-0006511, 출원일자: 2020.01.17, (submitted)

## LANGUAGES

Vietnamese  
Native or Bilingual Proficiency

English  
Full Professional Proficiency

Korean  
Professional Working Proficiency