

DUONG TUNG LAM

Master of Electrical & Computer Engineering, Seoul National University, South Korea

Email: dtlamworkspace@gmail.com

Phone: +84982409033 (Vietnamese Phone Number)

Website: <https://dtlam26.github.io>

LinkedIn: <https://www.linkedin.com/in/dtlam26>

Communication Languages: Vietnamese (Native), English (C1)



EDUCATION

Seoul National University (Seoul, South Korea)

Master of Electrical & Computer Engineering

Mar 2020 - Feb 2023

Hanoi University of Science and Technology (Hanoi, Vietnam)

(Advanced Program in cooperation with San Jose University, USA)

Bachelor of Electronics and Telecommunications

Aug 2014 - Jul 2019

EXPERIENCE

Detail project information are available at <https://dtlam26.github.io/projects>

PIDL (SNU Laboratory)

Computer Vision System Researcher (Self-conducted)

Seoul, South Korea

Mar 2020 - Mar 2023

Smart Driving Assistant Device: Alert close vehicles and Traffic measurement

May 2020 - Dec 2020

[Demo](#)

An edge device assistant: alert drivers when there is close contact and update traffic status along the ride to a global service.

Edge Management Framework for Data collection and Deployment in Smart City

Nov 2020 - Feb 2021

A framework serves for a data life cycle scope through Nvidia Jetson and Google Models with two main functions: auto-aware of incorrect processed information, edge level cleansing data for model training and auto-match configuration.

Dynamic Priority Seat Allocation and Bus Interval Management in Smart Public Transport

Mar 2021 - July 2021

[Demo](#)

A multi-camera system measures the number of passengers and capture passengers' attributes for allocating seats and bus intervals. The allocation will be autonomously assigned based on an entered passenger attributes (elder, teenager, injured person,...)

Domain-aware Active Learning for Real-time Object Detection in Smart City

July 2021 - Jan 2022

A data cleansing method for general CNN model improvement in Smart City scale under various change of environment (lights, camera angles,...).

Parking Reservation Management System

Jan 2022 - Dec 2022

[Demo](#)

A management system among multi car parking lots in Smart City: detect occupied/available/illegal slots and perform reservation management via online traffic information and distances.

ASI Co.
Project Manager

Hanoi, Vietnam
Feb 2022 - June 2022

Smart City Traffic Management Project

Feb 2022 - June 2022

A management project aim to provide various function capturing traffic information via multiple cameras such as: autonomous illegal driving detection, license plates recognition and traffic density estimation. These information are then analyzed for government purposes such as tracking and examination.

TinhVan Co.
Computer Vision - AI Engineer

Hanoi, Vietnam
Aug 2019 - Feb 2020

Web Service for Employee Recognition Management

Aug 2019 - Dec 2019

Realtime Facial Status Evaluation from Cameras

Dec 2019 - Feb 2020

Vinsmart - VP9
Computer Vision - AI Engineer

Hanoi, Vietnam
Dec 2018 - Jun 2019

Employee Tracking & Recognition From High Camera View

Dec 2018 - Apr 2019

Abnormal Activity Recognition in Public Sector

Apr 2019 - Jun 2019

AICS Lab
Undergraduate Researcher

Hanoi, Vietnam
Jan 2017 - Jul 2019

Zebra-fish ECG signal classification: collaborate with Hero Lab from UCI (University of California, Irvine), USA

Sept 2018 - Dec 2018

Medical signal classification: collaborate with NUS(National University of Singapore), Singapore

Dec 2018 - Apr 2019

ACHIVEMENTS

Department Award: Excellent Master Thesis

2023

[Top 4 Oral Paper in ECCV Workshop](#)

2022

Undergraduate Department Award: First Prize for Best Project Contest

2016

Hanoi Talented Physics in Highschool Award: Second Prize

2014

RESEARCH & WORK INTEREST

Computer Vision applications, ML Cycle, Edge Deployment

TECHNICAL SKILLS

Language Code:

Advance: Python (3+ years)

Basic: C/C++, Java/TypeScript, Bash

Tools/Platforms, Frameworks:

Advance: Tensorflow 1&2 (3+ years), Pytorch (3+ years), TensorRT (2+ years), DeepStreamSDK (2+ years)

Basic: Django/Angular, ClipperAI, Horovod, Ray, Slurm, Docker, Kafka, Airflow/Celery

Database:

SQL Databases, MongoDB, Neo4j, Redis, Spark

