

TAN M. DINH

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EDUCATION

Ho Chi Minh City University of Technology

September 2016 – November 2020

Bachelor of Engineering in Honors Program - Computer Science

Ho Chi Minh, Vietnam

- GPA: 8.98/10 (Very Good)
- Honors Program Ranking: 1
- Thesis: Text-to-Image Synthesis

RESEARCH INTERESTS

- GAN Inversion and Applications including Face Reconstruction and Manipulation.
- Language and Vision Learning particularly on Text-to-Image Synthesis.

RESEARCH AND WORK EXPERIENCE

Zalo - VNG

April 2019 – January 2020

Data Scientist Collaborator

Ho Chi Minh, Vietnam

- Working on anonymous user information extraction from Zalo's products.
- Familiar with some techniques to deal with tabular data.

VinAI Research

April 2020 – Present

AI Residency Program

Ho Chi Minh, Vietnam

- Supervisor: Dr. Binh-Son Hua, Dr. Rang Nguyen, Dr. Anh Tran
- Take some fundamental courses: Deep Learning for Computer Vision, Linear Algebra, Probability and Statistic.
- Conducting research on: GAN-inversion and applications such as real face reconstruction and manipulation; language and vision learning such as text-to-image synthesis.

PUBLICATIONS

TISE: A Toolbox for Text-to-Image Synthesis Evaluation

arxiv pre-print, 2021 — [paper / project page]

Tan M. Dinh, Rang Nguyen, Binh-Son Hua

2021

HyperInverter: Improving StyleGAN Inversion via Hypernetwork

arxiv pre-print, 2021 — [paper / project page]

Tan M. Dinh, Anh Tran, Rang Nguyen, Binh-Son Hua

2021

HONORS & AWARDS

Graduate Gold Medal

November 2020

Awarding the student, who graduated with highest rank in the honors program by HCMUT.

SKILLS

Languages: Vietnamese (Native), English (Professional working proficiency)

Programming Languages: Python, C/C++, Java, JavaScript

ML Libraries/Frameworks: PyTorch, TensorFlow, Numpy, Scikit-learn, Pandas, Matplotlib, etc.

Operating Systems: Linux, MacOS

Other Tools: Git, Docker

CERTIFICATES

Deep Learning Specialization by DeepLearning.AI

- * Neural Networks and Deep Learning
- * Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- * Structuring Machine Learning Projects
- * Convolutional Neural Networks

DeepLearning.AI TensorFlow Developer Professional Certificate

- * Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- * Convolutional Neural Networks in TensorFlow

MISCELLANEOUS PROJECTS

pylearn.ml191

python, numpy, pandas

An implementation of some classical machine learning algorithm.

2019

BKMessenger-Server

Java, JDBC, Multithread, MySQL

An simple Java server for chat application using TCP/IP and UDP protocol.

2018

BKMessenger-Client

React Native

A mobile application for the simple chat application.

2018

REFERENCES

Dr. Binh-Son Hua

PhD. at National University of Singapore (NUS)

Research Scientist, VinAI Research

Dr. Anh Tran

PhD. at University of Southern California (USC)

Research Scientist, VinAI Research

Dr. Rang Nguyen

PhD. at National University of Singapore (NUS)

Applied Research Scientist, VinAI Research