

# Phu M Vuong

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## RESEARCH INTERESTS

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Graph Neural Networks, Adversarial Training, Explainable AI, Machine Learning Privacy

## EDUCATION

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Aug 2022 – Present

### Texas State University, USA

Doctoral degree in Computer Science

- Advisor: **Dr. Chul-Ho Lee**

Sep 2020 – Aug 2022

### Jeonbuk National University, Korea

Master's degree in Computer Science & Engineering

- GPA: 4/4
- Advisor: **Dr. Kim Sung Chan**
- Thesis: Novel view synthesis of hard poses for 2D human pose estimation

Dec 2015 – June 2020

### Ho Chi Minh City University of Technology, Vietnam

Bachelors's degree in Electrical & Electronics Engineering (Advanced Program)

- Cumulative GPA: 7.78/10
- Upper Division GPA: 8.5/10 (calculated on the last 60 semester hours of core course work)
- Thesis: Traffic Monitoring System By Computer Vision & Machine Learning
- Advisor: **Dr. Ha Hoang Kha**

## WORK EXPERIENCE

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Sep 2020 – Aug 2022

### Research assistant at JVL Lab, Jeonbuk National University, Korea

- Research topics: Object Tracking, Human Pose Estimation
- Lab homepage: <https://sites.google.com/jbnu.ac.kr/jvl/>

Dec 2019 – Aug 2020

### Ericsson MOAI, Ho Chi Minh City

Network Design & Optimization Engineer

- Check consistency on 2G parameters in Rehoming project for customer
- Design graphs and check overshooting to maintain KPIs for LTE project
- Conduct research for applying AI in 4G networks

Jun 2019 – Aug 2019

### Viettel Telecom Corporation, Ho Chi Minh City

Internship

- Label and prepare data from satellite image for the task of segmentation
- Apply novel deep learning models such as EfficientNet, RefineNet, Unet to solve the problem
- Setup and assemble 5G antenna

Sep 2018 – Dec 2018

### TMA Solution, Ho Chi Minh City

Internship

- Preprocess and visualize raw medical data from customer
- Prepare suitable models for the task of name entity recognition

## ACTIVITIES

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- Conference* • Attend International Symposium on Electrical and Electronics Engineering 2019 at HCMC University of Technology
- Competitions* • Minathon 2019: Achieved third place among twenty teams. Sponsor by Neo Career Group  
• Line Following Robot Competition 2016 at HCM University of Technology
- Extracurricular activity* The 5<sup>th</sup> Science and Technology Symposium for OISP Students.  
• Paper: Traffic Monitoring System by Computer Vision and Machine Learning.  
• Project link: (<https://bit.ly/2TgaEFD>)

## SKILLS

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- Tools* Python, Matlab, C++, Pytorch, Tensorflow/Keras, Numpy, Matplotlib
- Languages* • English – IELTS overall 7.0  
• Chinese (Cantonese) – Conversational level  
• Vietnamese – Native speaker

## HOBBIES

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Marathon running, classical music, podcasts, non-fiction books