

# CURRICULUM VITAE

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## KIEN TRANG

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### EDUCATION

**Master in Electronic Engineering** (2018 - 2020)

International University - Vietnam National University Ho Chi Minh City

Thesis: Feature Extraction Methods Studied on Classified Plant Leaf Disease Images

**Bachelor of Electrical Engineering** (2013 - 2017)

International University - Vietnam National University Ho Chi Minh City

Thesis: Design and Implementation a Facial Expression Recognition Program

### PROFESSIONAL EXPERIENCE

**International University - Vietnam National University HCM City** (2021 - Present)

Researcher and Lab Teacher in the field of Electrical Engineering

**International University - Vietnam National University HCM City** (2018 - 2021)

Teaching Assistant in the field of Electrical Engineering

**Shinhan DS Vietnam Co., Ltd.** (June 2018 - October 2018)

Software Developer in the Deposit team

**FPT Software Company** (June 2017 - August 2017)

Internship in the FPT Global Automotive department

### PUBLICATIONS

**HG-YOLO:Improving Tumor Detection with PP-HGNet and Global Attention Mechanism** (in *The 25th International Conference on Computational Science and Its Applications ICCSA 2025*)

**Kien Trang**, Bao Quoc Vuong, An Hoang Nguyen, Fung Fung Ting, Chee-Ming Ting

**Node-Based Graph Convolutional Network with SLIC Method for Breast Cancer Ultrasound Images Classification** (in *IEEE ACCESS* – Published October 2024)

Kien Trang, Fung Fung Ting, Bao Quoc Vuong, Chee-Ming Ting

**Improving RepVGG Model by Combining with Variational Data Imputation in COVID-19 Disease Classification from Chest X-Ray Images** (in *IAES International Journal of Artificial Intelligence* – Published December 2022)

Kien Trang, An Hoang Nguyen, Long TonThat, Bao Quoc Vuong

**Apply Deep Learning on Chest X-Rays Images for COVID-19 Disease Detection by Using Transfer Learning** (in *The 11th International Conference on Robotics, Vision, Signal Processing and Power Applications RoViSP2021*) – **Best Paper Award**

Nguyen Minh Thien, Long TonThat, Kien Trang, An Hoang Nguyen and Bao Quoc Vuong

**Identification of Plant Disease Based on Multi-Feature Extraction** (in *The 8th International Conference in Vietnam on the Development of Biomedical Engineering* 2021)

Kien Trang, Long TonThat, Khanh-Linh Nguyen, Gia-Huy Tran

**Weighted Box Fusion Ensembling for Lung Disease Detection** (in *The 8th International Conference in Vietnam on the Development of Biomedical Engineering* 2021)

Huy Tran, Long TonThat, Kien Trang

**Plant Leaf Disease Identification by Deep Convolutional Autoencoder as a Feature Extraction Approach** (in *The 17th IEEE International Conference on Electrical Engineering / Electronics, Computer, Telecommunications and Information Technology ECTI-CON* 2020)

Kien Trang, Long TonThat, Nguyen Gia Minh Thao

**Mango Diseases Identification by a Deep Residual Network with Contrast Enhancement and Transfer Learning** (in *The 2019 IEEE Conference on Sustainable Utilization and Development in Engineering and Technologies CSUDET*)

Kien Trang, Long TonThat, Nguyen Gia Minh Thao, Ngoc Tran Ta Thi

**Automatic Facial Expression Recognition System Using Convolutional Neural Networks** (in *The 7th International Conference on the Development of Biomedical Engineering in Vietnam* 2019)

Hung Ngoc Do, Kien Trang, Bao Quoc Vuong, Van-Su Tran, Linh Mai, Minh-Thanh Vo, Mai Hoang Nguyen

## CERTIFICATES

**Machine Learning & Data Science: Hands-on Python 2021**  
Online course on UdeMy

**Matlab Master Class 2021**

Pantech ProLabs India Pvt Ltd

**On The Job Training 2017**

FPT Software Company

**Elementary IC Design 2016**

Semincon Solutions Company and ICDREC

## **ACHIEVEMENTS**

**Outstanding Young Officer and Lecturer of VNU-HCM 2021**

Vietnam National University Ho Chi Minh City

**Special Award for Excellent Scientific Publications Graduate Program 2020**

International University - Vietnam National University Ho Chi Minh City

**Pony Chung Foundation Scholarship 2019 - 2020**

Pony Chung Foundation & Hyundai Development Company

**Scholarship Award for Entrance Exam in Master Program 2018**

International University - Vietnam National University Ho Chi Minh City

**Third Place in Line Follower Robot Competition 2016**

School of Electrical Engineering, International University - Vietnam National University Ho Chi Minh City

**Encouragement Scholarship in the year 2014 - 2015**

International University - Vietnam National University Ho Chi Minh City