# Duy Thanh Vu

**Email**: thanhvd@vnu.edu.vn

## EDUCATION

**University of Engineering and Technology (UET)** — Hanoi, Vietnam
*Bachelor in Faculty of Electronics and Telecommunications (FET)* — *Aug. 2016 – Aug 2020*
- GPA: 3.82/4.00, Ranking: $1^{st}$.
- Advisors: Prof. Nguyen Linh Trung, Dr. Nguyen Viet Dung.

**University of Engineering and Technology** — Hanoi, Vietnam
*Teaching Assistant.* — *Aug. 2020 – Present*

**Avanced Institute of Engineering and Technology (AVITECH)** — UET, VNU
*Research Assistant.*

## HONORS & AWARDS

**Scholarship**
- 3F Community Support Fund Scholarship (Vietnam).   2017
- Lawrence S.Ting Memorial Fund Scholarship (China).   2018
- Misubishi Scholarship (Japan).   2019
- Lawrence S.Ting Memorial Fund Scholarship (China).   2020

**Awards**
- "SINH VIÊN 5 TỐT - GOLDEN STAR" honor.   2017
- VNU Young Face of the Year.   2018
- Top 4 of Qualifying Round Digital Race - "Driverless".   2018
- Team Winner of the VNU's Innovative Entrepreneurs competition.   2019

## RESEARCH EXPERIENCE

**Research Assistant** — 2018 – Present
*Advanced Institute of Engineering and Technology (AVITECH)* — *UET,VNU*
- Subspace tracking algorithms, Subspace methods.
- Tensor/Matrix decomposition.
- Multi-model Data Fusion.
- Using Positron emission tomography (PET) and Magnetic resonance imaging (MRI) for diagnosing Alzheimer's disease.
- EEG source localization in focal epilepsy.

**Computer Vision Internship** — June 2019 – Aug 2019
*Vingroup Big Data Institute*
- Understood how some popular neural network architectures work.
- Used pretrain models and researched new models for object detection tasks.
- Used deeep learning models for human detection/tracking, person attribute recognition, face recognition tasks.

## TEACHING & ACTIVITIES

**Tutor of Calculus 2, Algebra.** — 2017

**Tutor of Electrical and Optical Physics.** — 2018

**Teaching Assistant of ELT3144: Digital Signal Processing**, assisted in grading and answering questions. 2020-21

**Teaching Assistant of ELT2029: Engineering Mathematics**, assisted in grading and answering questions. 2020-21

## TECHNICAL SKILLS

**Programming Languages**: Matlab, Python, C/C++.
**Deeplearning Package**:PyTorch, Keras, TensorFlow, scikit-learn.