

# Linh Le Pham Van

(+84) 961 088 193 | lephamvanlinh@gmail.com | <https://www.linkedin.com/in/linhlpv/>

## EDUCATION

### VNU University of Engineering and Technology

Sep 2016 – July 2020

*Vietnam National University, Hanoi*

*Hanoi, Vietnam*

- **Information Technology (Honors Program).**
- **GPA:** 3.71 (ranked 11th of the university).
- **Degree classification:** High distinction.

## EXPERIENCE

### UET AILab | *Research assistant* | *Advisor: Dr. Quoc Long Tran*

Sep 2020 - Present

*VNU University of Engineering and Technology*

*Hanoi, Vietnam*

- Research about Deep Generative Models.
- Research about medical image translation, using generative models.
- Research and develop methods for predicting ejection fraction from echocardiography video.

### VNU University of Engineering and Technology | *Teaching assistant*

Sep 2020 - Present

*Vietnam National University, Hanoi*

*Hanoi, Vietnam*

- Teach practice classes of some computer science courses: Introduction to Informatics, Advance Programming, Data Structures and Algorithms, Image Processing.
- Guide some students in their thesis.

### UET AILab | *Research intern* | *Advisor: Dr. Quoc Long Tran*

May 2019 – July 2019

*VNU University of Engineering and Technology*

*Hanoi, Vietnam*

- Research and develop methods for auto-predicting molecular properties from this structures.

## PUBLICATIONS

- **Linh Le Pham Van**, Quang Bach Tran, Tien Lam Pham, Quoc Long Tran. Node-aware convolution in Graph Neural Networks for Predicting molecular properties. KSE 2020 (Conference paper - **Accepted**).

## HONORS AND AWARDS

- Top **3%** (11/351) of graduating students in the VNU University of Engineering and Technology (UET-VNU) - July 2020.
- Certificate of merit awarded by the VNU University of Engineering and Technology for Outstanding student of the entire course - July 2020.
- Best thesis certification - "Graph Neural Networks and their applications for Quantum Chemistry" - July 2020.
- Excellent student, VNU University of Engineering and Technology - 2017, 2019.
- 1st Digital Race 2019, round UET - January 2019.

## RESEARCH PROJECTS

### Medical image translation | *Research assistant*

Aug 2021 – Present

- **Project description:** Research and develop the methods for translating from CT scan to PET image.
- **Main responsibilities:** Survey about this topic; Research, develop the methods for efficient creating PET image from CT scan; Plan to write and publish paper at the top conferences.

### AI-Cardio | *Research assistant*

June 2020 – May 2021

- **Project description:** Research and develop the methods for auto-calculating EF, GLS from echocardiography video.
- **Main responsibilities:** Research and develop the methods for auto-calculating EF, GLS; Build deep learning models and train them; Aim to publish papers at the computer science conferences and journals.
- **Technologies used:** Python, Numpy, Pandas, Matplotlib, sklearn, Pytorch.

- **Project description:** Research and develop the methods for auto-predicting molecular properties from molecular structures.
- **Main responsibilities:** Research and develop methods for auto-predicting molecular properties; Preprocess data for analysis and training models; Build the models; Conduct experiments to compare with the other baseline models; Write thesis and paper based on the results of the project.
- **Technologies used:** Python, Numpy, Pandas, Matplotlib, sklearn, Pytorch.
- **Achievements:** Certificate of best thesis; Published paper at KSE 2020: "Node-aware convolution in Graph Neural Networks for Predicting molecular properties".

#### LANGUAGE ABILITY

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- **Vietnamese:** Native
- **English:** Proficient (IELTS Overall 7.0, Reading 8.0, Listening 7.5, Speaking 6.0, and Writing 6.5).