

# Quynh Phung

+ (240) 643-9418

quynhpt@umd.edu

qqphung.github.io

qqphung

Phung Quynh

HvBv2J3v6OsC

## Education

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### University of Maryland, College Park

Ph.D. in Computer Science – AI/Computer Vision  
GPA: 3.925/4.0, Advisor: Jia-Bin Huang

MD, U.S.A.

2022 – 2027

### Hanoi University of Science and Technology

BEng. in Computer Science – Information Technology

Vietnam

2014 – 2019

## Publications

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### Grounded Text-to-image Synthesis with Attention Refocusing

Quynh Phung, Songwei Ge, Jia-Bin Huang

Preprint

[53 stars & 5 citations](#)

### Explore Image Deblurring via Encoded Blur Kernel Space

Phong Tran, Anh Tran, Quynh Phung, Minh Hoai

CVPR'21

[124 starts & 48 citations](#)

### Toward Realistic Single-View 3D Object Reconstruction with Unsupervised Learning from Multiple Images

Long-Nhat Ho, Anh Tran, Quynh Phung, Minh Hoai

ICCV'21

[48 stars & 10 citations](#)

## Research/ Working Experience

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### University of Maryland, College Park

MD, U.S.A.

Improve number and spacial relationship of Stable Diffusion: (Advisor: Prof. Jia-Bin Huang) leveraging the LLMs to for better understanding prompts for Stable Diffusion. Proposing attention refocusing losses to improve the grounded text-to-image models, being submitted to CVPR 2024. ([paper](#), [code](#), [project page](#))

Feb 2023 - present

Course project (A+): Improve 3D shapes of 3D GAN: (Lecturer: Prof. Jia-Bin Huang). Using semantic information to improve the smoothness and structure of facial shapes generated by Generative Models. ([video](#), [report](#))

### VinAI Research

Vietnam

*AI Resident at AI Residency Program* (Supervisor: Dr. Anh Tran)

Feb 2020 – Apr 2022

3D reconstruction: Unsupervised recovering 3D structure from a single image (ICCV'21).

Image Generation: Generating images and corresponding semantic segmentation.

## Honors & Awards

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2022 Diversity Fellowship – Ph.D. UMD

2017 Microsoft YouthSpark Scholarship for Female student in Information Technology

## Skill Sets

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**Languages:** Python (Proficient), C/C++ (libtorch), TensorRT.

**Frameworks:** PyTorch, libtorch, Tensorflow (1.0, 2.0), TensorRT, Scikit-Learn, Numpy, OpenCV, huggingface