

Trung Nguyen

PERSONAL DETAILS

Website <https://trung6.github.io>
Email trungnguyen@utexas.edu

EDUCATION

Graduate 2022-2027
University of Texas at Austin
PhD student in Computer Science

Undergraduate 2015-2020
Hanoi University of Science and Technology, Vietnam
Student at Talent Program in Mathematics and Informatics

EXPERIENCES

Research Engineer 01/2022 - 05/2022
VinAI, <https://vinai.io/>

- Work in a team developing a web-based tool for crowdsourcing data annotation for object detection, object segmentation, skeleton detection, ...
- Skills: React, ThreeJS, TensorflowJS, ...

AI Resident 01/2020 - 12/2021
VinAI, <https://vinai.io/>

- Work on research problems, typically in 3D Point Clouds Learning, Optimal Transport and Object Detection.
- Skills: Pytorch, ...

PUBLICATIONS

Point-set Distances for Learning Representations of 3D Point Clouds ICCV 2021
Trung Nguyen, Quang-Hieu Pham, Tam Le, Tung Pham, Nhat Ho, Binh-Son Hua

- We study the effects of different types of loss functions on learning representation for point clouds using auto-encoders.
- Link: <https://arxiv.org/abs/2102.04014>

Detecting Hands and Recognizing Physical Contact in the Wild NeurIPS 2020
Supreeth Narasimhaswamy, Trung Nguyen, Minh Hoai

- We propose a large-scale dataset and a neural network module for recognizing the physical contact state of hands.
- Link: <https://arxiv.org/abs/2010.09676>

Single-Click 3D Object Annotation on LiDAR Point Clouds NeurIPS workshop 2021
Trung Nguyen, Binh-Son Hua, Duc Thanh Nguyen, Dinh Phung

- We propose a method based on supervised learning for single-click 3D object annotation on LiDAR point clouds.
- Link: <https://bit.ly/3p0b6rC>

The convergence of the Regula Falsi method Technical Report
Trung Nguyen

- We prove mathematically the convergence of the Regula Falsi method for continuous functions.
- Link: <http://arxiv.org/abs/2109.03523>

FELLOWSHIPS AND AWARDS

- "National Program for the Development of Mathematics" scholarship, Vietnam Ministry of Education and Training, semester 1, 2017.
- Second prize at Calculus, Vietnam National Mathematical Olympiad for Students, 2016.
- Scholarship of Hanoi University of Science and Technology, school-years 2015-16, 2017-18.

SKILLS

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| <i>Languages</i> | Vietnamese (mother tongue), English (IELTS 7.0) |
| <i>Software</i> | L ^A T _E X, HTML/CSS, MATLAB, Python, JS, Git, DOCKER |