Tien Nguyen

Nationality: Vietnamese   **Date of birth:** 25 May 2000   **Gender:** Male

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ABOUT ME

I'm a Bachelor of Science majoring in Computer Science at the University of Information Technology (VNUHCM-UIT) looking for educational opportunities to progress my career in the field of research in computer vision and machine learning.

EDUCATION AND TRAINING

Bachelor of Science Honor program in Computer Science
Vietnam National University HCMC, University of Information Technology [31 Jul 2018 – 30 Mar 2022]

Address: Quarter 6, Linh Trung Ward, Thu Duc District, Ho Chi Minh City., 700000 Ho Chi Minh (Vietnam)
https://en.uit.edu.vn/
Field(s) of study: Computer Science
Final grade : 9.05/10
Type of credits: 10 grading system – **Number of credits:** 132
Thesis: Evaluate some Deep learning methods for Vietnamese Infographic Visual Question Answering

Graduated with excellence from the honor program, top 1/26 students of the class

PROJECTS

M. Tran, T. Pham, T. Nguyen, T. Do and T. N. Duc, "A robust framework for mathematical formula detection," 2021 International Conference on Multimedia Analysis and Pattern Recognition (MAPR), 2021, pp. 1-6, doi: 10.1109/MAPR53640.2021.9585197.
[Jul 2021 – Jan 2022]

Analyze the anchor automatic learning and non-automatic learning for Mathematical formula detection (MFD) in digital images and propose an algorithm to group their advantages that demonstrate the effectiveness through the ICDAR2021-MFD dataset.

https://ieeexplore.ieee.org/abstract/document/9585197

Bachelor 's Thesis: Evaluate some deep learning methods for Vietnamese infographic visual question answering
[Sep 2021 – Mar 2022]

Evaluate the effectiveness of Infographic Visual Question Answering on multilingual aspect by constructing ViInfographicVQA, the first Vietnamese version dataset containing 3000 question-answer pairs with 700 Vietnamese images, and utilizing current deep learning-based models: BERT, M4C, and LayoutLMv2.

Student-level scientific research in undergraduate

- Evaluate LayoutLMv2 method for Visual Question Answering problem (12/2021 - 12/2022)
- Evaluating methods of detecting mathematical formulas in digital images (3/2021 - 3/2022)
- Evaluating the Capsule network method for the problem of object classification in images (3/2020-10/2020)

HONORS AND AWARDS

"Student of 5 merits" achievement by The University of Information Technology in 2019, 2020, 2021

[Sep 2018 – Dec 2021]

Good study – Good morality – Good volunteer – Good integration – Good fitness

Advanced Young people following Uncle Ho's words in 2020, 2021

[Sep 2019 – Dec 2021]

Field: Learning - Creativity - Scientific research

Consolation Prize AI CAMERA INSPECTION CHALLENGER 2020

[14 Oct 2020 – 29 Oct 2020]

We apply AI solutions to eliminate unsatisfactory products. Check our solution for more detail.

Consolation prize at the National Mathematical Olympiad Competition organized by the Vietnam Mathematical Association 2019

[4 Apr 2019 – 10 Apr 2019]

https://drive.google.com/file/d/1iCg-uMPF88AKvvzOqzVontOywKDCJZIn/view?usp=sharing

WORK EXPERIENCE

Research engineer
Viettel High Technology Industries Corporation [Mar 2022 – Current]

City: Hồ Chí Minh
Country: Vietnam

- Evaluate some models of NLP problems: Named entity recognition for News/Twitter, Entity Linking, News Summarization, Timeline generation from self-constructed data.
- Deploying the results of problems in the form of microservices.

Teacher assistant
Vietnam National University HCMC - University of Information Technology [Sep 2021 – Jan 2022]

City: Ho Chi Minh
Country: Vietnam

As a lecturer (also mentor) share knowledge (also experience) with undergraduate students who is fresher in programming through practical lessons in Introduction to Programming, Data structure and Algorithm classroom.

Research practitioner
Vietnam National University HCMC - University of Information Technology [Jan 2020 – Jan 2022]

City: Ho Chi Minh
Country: Vietnam

Participate in research groups in the university (AI Club) as a member for research about problems and competitions in the artificial intelligent area.

ENGLISH CERTIFICATES

TOEIC Listening & Reading 765

[24 Apr 2022 – 24 Apr 2024]
https://drive.google.com/file/d/179z0kXIy_Znj-NXvuPx9Cc1Je5_VS7q-/view?usp=sharing