

Tin Nguyen

PH.D. CANDIDATE · AUBURN UNIVERSITY

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Summary

Tin Nguyen is a Ph.D. candidate advised by Professor Anh (Totti) Nguyen in Computer Science at Auburn University. His research interests primarily lie in natural language processing (NLP), and Computer Vision (CV), focusing on explainability and human-computer interaction.

Education

Auburn University

PH.D. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Anh (Totti) Nguyen.
- PhD Proposal: Grounding in Multimodal Large Language Models.

AL, U.S.

Aug. 2022 - Now

Sejong University

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Seoul, S.Korea

2020 - 2022

University of Science

B.A. IN COMPUTER SCIENCE AND ENGINEERING

Ho Chi Minh, Vietnam

2015 - 2019

- Advisor: Ngoc Quoc Ly.
- Thesis: Moving Object Tracking.

Work Experience

AIOZ. Co., Ltd.

AI ENGINEER

Ho Chi Minh, Vietnam

2019 - 2020

- Built a License Plate Recognition System.
- Built a ball tracking system.

Gumi. Co., Ltd.

AI ENGINEER INTERN

Ho Chi Minh, Vietnam

2018 - 2019

- Built Japanese Character Recognition for Bills and Documents.

Gameloft

GAME PROGRAMMER INTERN

Ho Chi Minh, Vietnam

2017 - 2018

- Built an arcade game using Cocos-2dx.

Tech Skills

AI Prompting LLMs, RAG, Knowledge Graph, Diffusion Models, Object Detection

AI Framework PyTorch, TensorFlow

Programming Language C/C++, Python

Publications (Selected)

arXiv 2025

HoT: Highlighted Chain of Thought for Referencing Supporting Facts from Inputs

TIN NGUYEN*, LOGAN BOLTON*, MOHAMMAD REZA TAESIRI, TRUNG BUI, ANH TOTTI NGUYEN

📄 Paper / 📥 Project Page

NAACL 2024

Part-based image classifiers with an explainable, editable language bottleneck

MINH THANG PHAM*, PEIJI CHEN*, THANH-TIN NGUYEN*, SEUNGHYUN YOON, TRUNG BUI, ANH NGUYEN

📄 Paper 📥 Code

Knowledge-based Systems (KBS)

2023

Coarse-To-Fine Fusion for Language Grounding in 3D Navigation

THANH-TIN NGUYEN*, ANH H. VO*, SOO-MI CHOI, KIM YONG GUK

📄 Paper 📥 Code

Presentation

- Introducing a technique for prompting LLMs to generate responses with XML tags that ground facts to those provided in the query.

Honors & Awards

2021 **1st Prize**, AICovidVN challenge: Introduced Fruit-CoV, a framework that is capable of detecting SARS-CoV-2 through cough sounds. Received 100mil VND (\$4300). *Ho Chi Minh, Vietnam*

Extracurricular Activity

K-6 AI Club at Auburn University

AL, U.S.

CODING TEACHER

Aug. 2022 - Dec. 2022

- AI Club for children around the elementary-school age (K-6) to learn math, coding, robotics, and artificial intelligence. This is a completely FREE, voluntary, educational event.
- Supported by Auburn University and an NSF CAREER award. Find out more at: our website.

Conference Reviewer

- I have been serving as a reviewer for journals and conferences such as Knowledge-based Systems, ACL, NAACL, and EMNLP.

References

Prof. Anh Totti Nguyen *Auburn University, AL, U.S.* (anhnguyen@auburn.edu)

Prof. Yong-Guk Kim *Sejong University, Seoul, S. Korea* (ykim@sejong.ac.kr)

Prof. Ngoc Quoc Ly *University of Science, Ho Chi Minh, Vietnam* (lqngoc@fit.hcmus.edu.vn)