

Tin Nguyen

Ph.D. Candidate, Auburn University

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SUMMARY

Ph.D. candidate advised by Professor Anh (Totti) Nguyen in Computer Science at Auburn University. Research interests lie primarily in human-computer interaction, interpretable-by-design, and agentic AI.

EDUCATION

- Ph.D. in Computer Science and Engineering** at **Auburn University**, AL, U.S. Aug. 2022 – May 2027
- Advisor: Anh (Totti) Nguyen
 - PhD Proposal: Grounding in Multimodal Large Language Models
- M.Sc. in Computer Science and Engineering** at **Sejong University**, Seoul, S. Korea 2020 – 2022
- Advisor: Kim Yong Guk
 - Thesis: Coarse-To-Fine Fusion for Language Grounding in 3D Navigation
- B.A. in Computer Science and Engineering** at **University of Science**, Ho Chi Minh, Vietnam 2015 – 2019
- Advisor: Ngoc Quoc Ly
 - Thesis: Moving Object Tracking

WORK EXPERIENCE

- Research Intern** at **Aikyam Lab**, **University of Virginia**, VA, U.S. May 2026 – Jul. 2026
- Advisor: Chirag Agarwal
 - Developed a multimodal web agent that browses websites and captures evidence (text, images, charts) at every navigation step
 - Developed a defense against model distillation attacks, in which an adversary copies a proprietary model by training on its outputs
- AI Engineer** at **AIOZ Co., Ltd.**, Ho Chi Minh, Vietnam 2019 – 2020
- Built three video-analysis systems: automatically reading car license plates, tracking a moving ball, and recognizing the same person across different cameras.
- AI Engineer Intern** at **Gumi Co., Ltd.**, Ho Chi Minh, Vietnam 2018 – 2019
- Built an optical character recognition (OCR) model for handwritten Japanese text in scanned bills and documents
- Game Programmer Intern** at **Gameloft**, Ho Chi Minh, Vietnam 2017 – 2018
- Built an arcade game using Cocos2d-x (C++)

SELECTED PUBLICATIONS

See full list in:

<https://scholar.google.com/citations?user=zSafD80AAAAJ&hl=en>

- arXiv 2026 [Tin Nguyen*](#), Thang Truong*, Runtao Zhou*, Trung Bui, Chirag Agarwal, Anh Totti Nguyen, 2026. **PageGuide: Browser Extension to Assist Users in Navigating a Webpage and Locating Information.** [pdf] [project]
- TMLR 2025 & NeurIPS 2025 MAR Workshop [Tin Nguyen*](#), Logan Bolton*, Mohammad Reza Taesiri, Trung Bui, Anh Totti Nguyen, 2025. **HoT: Highlighted Chain of Thought for Referencing Supporting Facts from Inputs.** [pdf] [project]
- NAACL 2024 Minh Thang Pham*, Peijie Chen*, [Thanh-Tin Nguyen*](#), Seunghyun Yoon, Trung Bui, Anh Nguyen, 2024. **Part-based image classifiers with an explainable, editable language bottleneck.** [pdf] [code]
- Knowledge-Based Systems 2023 [Thanh-Tin Nguyen*](#), Anh H. Vo*, Soo-Mi Choi, Kim Yong Guk, 2023. **Coarse-To-Fine Fusion for Language Grounding in 3D Navigation.** [pdf] [code]

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++, HTML/CSS

Web & Testing: Chrome Extensions (Manifest V3), Playwright, CI/CD, Git

AI / Machine Learning: LLMs, VLMs, AI Agents, RAG, PyTorch, TensorFlow, vLLM, Tinker, openCV

PATENTS

· Korean Patent No. 10-2979119 Yong-Guk Kim, Soo-Mi Choi, Anh H. Vo, Tin Nguyen, 2026. **Coarse-to-Fine Fusion Method and Apparatus for Language-Command-Based Virtual Space Navigation**. [\[link\]](#)

HONORS & AWARDS

Tinker Research Grant from **Thinking Machines Lab** Aug. 2026

- Awarded \$5,000 for compute/API credits

GSC Travel Fellowship from **Auburn University Graduate School Council** Dec. 2025

- Awarded \$400 to support conference travel

Tinker Promotion from **Thinking Machines Lab** Nov. 2025

- Awarded \$150 in credits

1st Prize at **AICovidVN Challenge**, Ho Chi Minh City, Vietnam 2021

- Introduced Fruit-CoV, a framework capable of detecting SARS-CoV-2 through cough sounds. Received 100 mil VND (~\$4300)

EXTRACURRICULAR ACTIVITY

Teaching Robotics for Kids at **K-6 AI Club, Auburn University**, AL, U.S. Aug. 2022 – Dec. 2022

- AI Club for children of elementary-school age (K-6) to learn math, coding, robotics, and artificial intelligence. A free, voluntary, educational event supported by Auburn University and an NSF CAREER award

Academic Services

- **Reviewer:** ARR Rolling Review (ACL, EMNLP, NAACL), UIST, HAI, Knowledge-based Systems, NeurIPS 2026
- **Area Chair (AC)** for Interpreting Agent Behavior (IAB) Workshop (NeurIPS 2026)
- **Program Committee (PC)** for IUI 27 (Intelligent User Interfaces)

REFERENCES

Prof. Chirag Agarwal

University of Virginia, VA, U.S.

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Prof. Anh Totti Nguyen

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