Tin Nguyen

Ph.D. Candidate, Auburn University
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Education

Ph.D. in Computer Science and Software Engineering at **Auburn University** — Expected 2027
AL, U.S.

- Advisor: Anh (Totti) Nguyen
- Research: Human-Computer Interaction, Interpretable AI, and Trustworthiness

M.Sc. in Computer Science and Engineering at **Sejong University** — 2020 – 2022
Seoul, S. Korea

- Advisor: Kim Yong Guk
- Thesis: Coarse-To-Fine Fusion for Language Grounding in 3D Navigation

B.A. in Computer Vision and Robotics at **University of Science** — 2015 – 2019
Ho Chi Minh, Vietnam

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

Work Experience

Graduate Research Assistant at **Aikyam Lab, University of Virginia** — May 2026 – Jul. 2026
VA, U.S.

- Advisor: Chirag Agarwal
- Developed a multimodal web agent that browses websites and captures text, images, and charts as evidence at each step
- Developed a defense against model distillation attacks that protects proprietary models from being copied

AI Engineer at **AIOZ Co., Ltd.** — 2019 – 2020
Ho Chi Minh, Vietnam

- 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.** — 2018 – 2019
Ho Chi Minh, Vietnam

- Built an optical character recognition (OCR) model for handwritten Japanese text in scanned bills and documents

Selected Publications [Google Scholar]

· NeurIPS I-Eval Workshop 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*, **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 **Tin Nguyen***, Anh H. Vo*, Soo-Mi Choi, Kim Yong Guk, 2023. Coarse-To-Fine Fusion for Language Grounding in 3D Navigation. [pdf] [code]

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

Second Prize at **Regions Banking Hackathon** Oct. 2026
- Led a team that built a loan-default classification system evaluated on 7,500 real applications; ranked first in AUC, reduced default rates by 47%, and supported 50% faster decisions with explainable AI for manual review ($6000).

Tinker Research Grant from **Thinking Machines Lab** Aug. 2026
- Awarded $5,000 in compute/API credits for developing and evaluating AI models

GSC Travel Fellowship from **Auburn University** Dec. 2025
- Awarded $400 to support travel to present research at a top-tier conference (CVPR'25)

1st Prize at **AICovidVN Challenge**, Ho Chi Minh City, Vietnam 2021
- Built Fruit-CoV, an AI system that detects SARS-CoV-2 from cough sounds. Received 100 mil VND (˜$4,300)

Service

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)

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, Hugging Face, vLLM, Tinker, OpenCV

References

Prof. Chirag Agarwal
University of Virginia, VA, U.S. *chiragagarwal@virginia.edu*

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

Dr. Trung Bui
Senior Research Scientist & Research Manager, Adobe Research *bui@adobe.com*

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Prof. Ngoc Quoc Ly
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