

Giang (Dexter) Nguyen

Computer Science ◊ Auburn University, AL, USA

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EDUCATION

Auburn University, USA Ph.D. in Computer Science <i>I am conducting research on building an interface where humans and LLMs can collaborate effectively.</i>	08/2021 → now Advisors: Anh Nguyen
Korea Advanced Institute of Science and Technology, South Korea M.Sc. in Computer Science Thesis: <i>Overcoming Catastrophic Forgetting by Deep Visualization</i>	08/2018 → 08/2020 Advisor: Daeyoung Kim
Hanoi University of Science and Technology, Vietnam B.Eng. in Electronics and Telecommunications	09/2011 → 06/2016 Advisor: Minh Nguyen

WORK EXPERIENCES

Anh Nguyen Laboratory, Auburn University, USA <i>Research Assistant</i>	08/2021 → now
JPMorgan Chase – AI Research, NYC, NY <i>Research Scientist Intern</i>	06/03/2024 → 08/16/2024
Data Engineering & Analytics Laboratory, KAIST, South Korea <i>Graduate AI Researcher</i>	09/2020 → 02/2021
Data Engineering & Analytics Laboratory, KAIST, South Korea <i>Research Assistant</i>	08/2018 → 08/2020
G-Innovations, Hanoi <i>Application Software Engineer</i>	02/2018 → 07/2018
DASAN Zhong Solutions Vietnam, Hanoi <i>Linux Embedded Software Engineer</i>	07/2016 → 01/2018

AWARDS AND ACTIVITIES

Awards

- 2014 & 2015: University scholarship for excellent students of HUST: \$200
- 2015: 1st Class award of Texas Instruments Innovation Challenge Vietnam – North Region: \$800
- 2016: DASAN Zhong Solutions scholarship for HUST excellent students: \$2,500
- 2018: Korea Advanced Institute of Science and Technology (KAIST), MS scholarship: \$20,000/year
- 2021: Presidential Graduate Research Fellowship at Auburn University, USA: \$32,000/year
- 2022: Registration award at CVPR 2022, New Orleans, LA, USA. [cert](#)
- 2023: I got the Diversity Graduate Student Support Award at Auburn University: \$1000. [cert](#)
- 2023: Best Performing Team and the creator of the Most Innovative Solution at ACM MMSports 2023 DeepSportradar Challenge: Player Instance Segmentation: \$1000. [cert](#)
- 2024: Outstanding Doctoral Student Nomination Award, Auburn University (2/240 of Computer Science graduate students).
- I has been serving as a reviewer at NeurIPS, ICLR, ICML, CVPR, ICCV, and AAAI.

Mentoring

- Viet Pham (HCMUS, Vietnam) - 11/2020 → 04/2021: Semi-supervised Neural Machine Translation with Consistency Regularization for Low-Resource Languages. arXiv preprint. [pdf]
- Son Nguyen (KAIST, South Korea) - 2023: Ranked 1st at ACM MMSports 2023 Instance Segmentation Challenge. Ranked 7/46 in ICCV 2023 VIPriors Instance Segmentation Challenge.

PUBLICATIONS

https://scholar.google.com/citations?user=l_kfXecAAAAJ

Selected Publications

- CVPRW2024 Proceedings [Giang Nguyen](#), Mohammad Reza Taesiri, Sunnie S. Y. Kim, Anh Nguyen, 2024. **Allowing humans to interactively guide machines where to look does not always improve human-AI team’s classification accuracy.** [pdf]
- TMLR2024 [Giang Nguyen](#), Valerie Chen, Mohammad Reza Taesiri, Anh Nguyen, 2024. **PCNN: Probable-Class Nearest-Neighbor Explanations Improve Fine-Grained Image Classification Accuracy for AIs and Humans.** [pdf] [website]
- NeurIPS2023 Mohammad Reza Taesiri, [Giang Nguyen](#), Sarra Habchi, Cor-Paul Bezemer, Anh Nguyen, 2023. **ImageNet-Hard: The Hardest Images Remaining from a Study of the Power of Zoom and Spatial Biases in Image Classification.** [pdf]
- NeurIPS2022 [Giang Nguyen](#)*, Mohammad Reza Taesiri*, Anh Nguyen, 2022. **Visual correspondence based explanations improve AI robustness and human-AI team accuracy.** [pdf]
* denotes equal contributions.
- NeurIPS2021 [Giang Nguyen](#), Daeyoung Kim, Anh Nguyen., 2021. **The effectiveness of feature attribution methods and its correlation with automatic evaluation scores.** [pdf]
- ICPR2020 [Giang Nguyen](#), Shuan Chen, Tae Joon Jun, Daeyoung Kim, 2021. **Explaining How Deep Neural Networks Forget by Deep Visualization.** [pdf]

INVITED TALKS

- 04/2023: *Towards Useful Visual XAI Methods for Human-AI Collaboration*, L3S Research Center, Delft University of Technology (TU Delft), Netherlands. [slide](#).
- 03/2022: *Evaluating Interpretability in Vision*, [Explainable AI group](#).
- 06/2020: *Explaining How Deep Neural Networks Forget by Deep Visualization*, [ContinualAI](#). [video](#).