

Thao H. Nguyen

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Education

- 2018–Present **PhD Candidate in Computer Science**, Brown University.
- Course Design Seminar (Spring 2023), [Sheridan Center for Teaching and Learning](#)
 - Reflective Teaching Seminar (Fall 2021), [Sheridan Center](#)
 - Master of Science in Computer Science (May 2020)
 - Research interests: Artificial Intelligence, Machine Learning, Human-Robot Interaction, Robotics
- 2014–2018 **Bachelor of Arts in Computer Science & Minor in Economics**, Vassar College.
- 3.9/4.0 GPA. Received General Honors and Honors in Computer Science.

Publications

Journal Papers

- AURO 2022 **Affordance-based robot object retrieval**
[Thao Nguyen](#), Nakul Gopalan, Roma Patel, Matt Corsaro, Ellie Pavlick, Stefanie Tellex
- AURO 2022 **Hierarchical planning with state abstractions for temporal task specifications**
Yoonseon Oh, Roma Patel, [Thao Nguyen](#), Baichuan Huang, Matthew Berg, Ellie Pavlick, Stefanie Tellex

Conference Papers

- IROS 2023 **Language-Conditioned Observation Models for Visual Object Search**
[Thao Nguyen](#), Vladislav Hrosinkov, Eric Rosen, Stefanie Tellex
- RSS 2020 **Robot Object Retrieval with Contextual Natural Language Queries**
[Thao Nguyen](#), Nakul Gopalan, Roma Patel, Matt Corsaro, Ellie Pavlick, Stefanie Tellex
- IROS 2019 **Grounding Language Attributes to Objects using Bayesian Eigenobjects**
Vanya Cohen*, Benjamin Burchfiel*, [Thao Nguyen*](#), Nakul Gopalan, Stefanie Tellex, George Konidaris (*authors contributed equally)
- RSS 2019 **Planning with State Abstractions for Non-Markovian Task Specifications**
Yoonseon Oh, Roma Patel, [Thao Nguyen](#), Baichuan Huang, Ellie Pavlick, Stefanie Tellex

Workshop Papers

- RSS 2022 **Towards Language-Conditioned Observation Models for Visual Object Search**
[Thao Nguyen](#), Vladislav Hrosinkov, Eric Rosen, Stefanie Tellex
- NeurIPS 2019 **Replication of Experience Replay for Continual Learning**
[Thao Nguyen](#), Ifrah Idrees, Eric Rosen

Academic Positions

- Fall 2023 **Lead Lecturer/Co-instructor**, *Artificial Intelligence (115)*[†], Brown University.
- 2018–Present **Graduate Research Assistant**, *Humans to Robots Laboratory*, Brown University.
- Spring 2021 **Graduate Teaching Assistant**, *Topics in Collaborative Robotics (17)*, Brown University.

[†]course size

2016–2018 **Research Assistant**, Vassar College.
Fall 2017 **Head Teaching Assistant**, *Advanced Topics: Intelligent Robotics (5)*, Vassar College.
Summer 2016 **Fellow**, *Undergraduate Research Summer Institute (URSI)*, Vassar College.
& 2017
Spring 2016 **Teaching Assistant**, *Foundations of Computer Science (40)*, Vassar College.

Talks

Conference Presentations

Oct 2023 **Language-Conditioned Observation Models for Visual Object Search**,
IEEE/RSJ International Conference on Intelligent Robots and Systems, Detroit, MI, USA.
July 2020 **Robot Object Retrieval with Contextual Natural Language Queries**,
Robotics: Science and Systems, held virtually.

Guest Lectures

Nov 2022 **Robotics**, *Artificial Intelligence*, Brown University.
Nov 2022 **Natural Language Processing**, *Artificial Intelligence*, Brown University.

Service

2021–Present **Co-Faculty-Graduate Liaison**, CS Department, Brown University.
EMNLP 2021 **Program Committee**, Novel Ideas in Learning-to-Learn through Interaction Workshop.
& 2022
AAAI-22 **Graduate Student Fellow**, Undergraduate Consortium.
AAAI-21 **Invited Speaker**, *Graduate Student Panel*, Undergraduate Consortium.
Fall 2020 **Mentor**, Brown Computer Science PhD Application Support for Underrepresented Students.
2019–2021 **Weekly Social Hour Co-Organizer**, CS Department, Brown University.
Fall 2019 **Orientation Co-Organizer**, CS Department, Brown University.

Fundraising & Awards

2021 **Graduate Student Fundee**, [DEPSCoR](#).
2021 **Scholar**, CRA-WP Grad Cohort for Women.
2016 **Scholar**, Grace Hopper Celebration of Women in Computing.

Skills

Technical Python, PyTorch, ROS, Java, C, Javascript, MATLAB, Linux, LaTeX, Stata
Language Vietnamese (native), English (fluent), Mandarin (intermediate)