Anjali Wang Gupta
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EDUCATION

New York University   **August 2024 – Present**
- Ph.D. in Computer Science (advised by Professor Saining Xie)
- Focus: Computer Vision, Multimodal Large Language Models, Spatial Intelligence
- Board member, NYU PhD Women in CS

Yale University (3.79/4.0 GPA)   **Class of 2024**
- Bachelor of Science (major: Computer Science, minor: Data Science)
- Hahn Research Scholar; Co-President, Yale Women & Gender Minorities in CS

Phillips Exeter Academy (10.72/11.0 GPA, Early Cum Laude)   **Class of 2020**
- The Powell Prize for Creativity and Entrepreneurship; Computer Science Prize

SKILLS

- In-depth research and course experience with AI, ML, CV, Robotics, RL, HCI, linear algebra, algorithms
- Proficient in: *Languages* - Python, R, C, Java, Swift, SQL; *Libraries* - PyTorch, TensorFlow
- Violin, debate, writing, communication

PUBLICATIONS (including preprints)

- Jihan Yang*, Shusheng Yang*, **Anjali W. Gupta***, Rilyn Han*, Li Fei-Fei, Saining Xie, *"Thinking in Space: How Multimodal Large Language Models See, Remember, and Recall Spaces,"* CVPR 2025, *Oral*.
- Hyoungseob Park, **Anjali W. Gupta**, Alex Wong, "*Test-Time Adaptation for Depth Completion,"* CVPR 2024.
- Nathan Tsoi, Alec Xiang, Peter Yu, Samuel S. Sohn, Greg Schwartz, Subashri Ramesh, Mohamed Hussein, **Anjali W. Gupta**, Mubbasir Kapadia, Marynel Vázquez, *"SEAN 2.0: Formalizing and Generating Social Situations for Robot Navigation,"* IEEE/RSJ IROS 2022.
- Sydney Thompson*, Abhijit Gupta*, **Anjali W. Gupta**, Austin Chen, Marynel Vázquez, *"Conversational Group Detection with Graph Neural Networks,"* ACM ICMI 2021.

OTHER RESEARCH EXPERIENCE

Dealing with variance in dynamic planning   **Summer 2023**
Prof. Abhinav Shrivastava, U of Maryland Perception & Intelligence Lab & Prof. Alex Wong, Yale Vision Lab
Conceptualized project, trained models, and built pipeline for incorporating variance into UR5 robot planning.

Improving GANs for facial image generation   **October 2022 - March 2023**
Prof. Alex Wong, Yale Vision Lab
Researched stabilizing GANs for image generation by combining GAN training with reconstruction loss.

Human-computer interaction with a robot photographer   **Spring 2022**
Prof. Marynel Vázquez, Yale Interactive Machines Group
Researched human interaction with a robot photographer using decision trees to detect interaction breakdowns.

INDUSTRY EXPERIENCE

Alphabet Inc., Google Cloud Student Researcher   **June – November 2025**
Leading project on analyzing and improving the spatial intelligence of MLLMs using embodied simulators.

Apple Inc., Software Engineering Intern   **Summer 2022**
On Apple's HealthKit team, designed and implemented a prototype algorithm and app in Swift to surface relationships between different HealthKit data types towards empowering users with actionable insights.

OTHER

- Mentor, Roaring Cubs Collective (501(c)3 for STEM research mentorship of pre-college students)

September 15, 2025