

Education

- 2021 - 2026 **Stanford University.**
MS Computer Science - continuing to PhD
GPA (overall): 4.0
- 2017 - 2021 **Georgia Institute of Technology.**
BS Computer Science with highest honors, Minor in Mathematics
GPA (overall): 3.82, GPA (major): 4.0

Research and Industry Experience

- Spring 2022 - **Google Brain**, RESEARCH INTERN (INCOMING), Mountain View, CA.
Summer 2022 Research on agile robotics.
- Winter 2022 - **Stanford University**, RESEARCH ASSISTANT, Stanford, CA.
Present Research Assistant in the Intelligent and Interactive Autonomous Systems Group (ILIAD), advised by Dorsa Sadigh. Research on algorithms for learning latent robotic actions.
- Summer 2021 **IBM Research**, RESEARCH INTERN, Yorktown Heights, NY.
Developed and studied the effectiveness of deep RL algorithms (DQN, DDPG, TD3) to optimize millimeter-wave communications for improved data throughput. Involved creating a toy environment for radio communications, implementing RL algorithms in PyTorch, and designing/running experiments.
- Summer 2020 **Dropbox**, SOFTWARE ENGINEER INTERN, San Francisco, CA.
Worked on a chrome extension for organizing workflow, where I built the ML infrastructure for predicting tabs that are considered clutter and can therefore be closed. This included building the infrastructure for client-server interaction, training the ML model, and displaying the results on the front end. We launched the product to approximately 500 users during internship.
- Winter 2020 **Facebook AI Research**, SOFTWARE ENGINEER INTERN, Menlo Park, CA.
Built an image extraction tool used for computer vision research on top of [Habitat](#), a photo-realistic 3D indoor scene simulator. Trained instance segmentation models like Mask R-CNN using the image extractor as a proof of concept. View a tutorial for the tool [here](#).
- Summer 2019 **Amazon**, SOFTWARE ENGINEER INTERN, Palo Alto, CA.
Developed a method for semantic segmentation in images along linear boundaries that performs with 95% accuracy*. The method was created in support of the augmented reality features in the Amazon shopping app. **Accuracy determined by IoU thresholds on a held-out data set.*
- Summer 2018 **Georgia Tech Research Institute**, RESEARCH INTERN, Atlanta, GA.
- Fall 2018 Added neural networks to an open-source ML framework which I then used to classify noisy digital signals. In a separate project, I used Q Learning to train multiple agents to collaboratively search an environment in the game StarCraft II.

Teaching Experience

Fall 2021 **Stanford University**, COURSE ASSISTANT, Stanford, CA.

Course Assistant (CA) for CS 221: Artificial Intelligence: Principles and Techniques. Responsibilities include managing course content, hosting office hours, and grading assignments.

Fall 2019 - **Georgia Institute of Technology**, TEACHING ASSISTANT, Atlanta, GA.

Spring 2021 Teaching Assistant for CS 7643: Deep Learning. Created and maintained course material, graded assignments, and assisted students in office hours. Topics include vision and language models, generative models, and reinforcement learning. View the course website [here](#).

Awards and Honors

May 2021 **Highest Honors, BS Computer Science, Georgia Institute of Technology.**

Graduated from the Georgia Institute of Technology with a BS in Computer Science with highest honors.

July 2020 **Intel Undergraduate Scholarship.**

One of 25 students awarded the [Intel Undergraduate Scholarship](#) in 2020.

July 2020 **Tapia Conference Scholarship.**

Awarded a scholarship to attend the [ACM Richard Tapia Conference](#). There were over 600 applicants.

July 2020 **LSAMP Scholarship.**

Awarded an [LSAMP](#) scholarship.

April 2020 **Generation Google Scholarship.**

Awarded the [Generation Google Scholarship](#). This award was awarded to 17 students total in 2020. The number of applicants was not released.

Nov 2019 **Cisco Scholarship.**

Awarded a Cisco Enterprise Business Group Scholarship through a program in Georgia Tech's College of Computing. This scholarship was awarded to four students total.

Aug 2019 **SHPE Undergraduate Scholarship.**

Awarded a [SHPE Undergraduate Scholarship](#) for my involvement in the Society of Hispanic Professional Engineers (SHPE). This scholarship was awarded to roughly three dozen students.