

Education

2021 - 2023 **Stanford University**

MS Computer Science
GPA: 4.0

2017 - 2021 **Georgia Institute of Technology**

BS Computer Science with highest honors, Minor in Mathematics
Major GPA: 4.0, Overall GPA: 3.82

Research Experience

Winter 2022 - **Intelligent and Interactive Autonomous Systems Group (ILIAD)** MS STUDENT

Present Student in ILIAD, which is part of Stanford AI Lab (SAIL), advised by Dorsa Sadigh. Research on using language goals for robot control policies. We fine-tune CLIP to enforce more structure in the CLIP joint embedding space and show increased generalization on downstream language-conditioned control tasks. Research in progress and will result in a first-author paper.

Spring 2022 - **Robotics @ Google** RESEARCH INTERN

Present Research on natural-looking locomotion policies for humanoid robots. We utilize Style Augmented Mutual Information (SAMI) and 7 seconds of human walking data to learn realistic locomotion for a Digit bipedal robot in the real world. Research in progress and will result in a first-author paper. This work is also a collaboration with students from the Robot Learning Lab and Hybrid Robotics Lab at UC Berkeley.

Summer 2021 **IBM Research** RESEARCH INTERN

Research on applying off-policy RL algorithms to optimize millimeter-wave communications in a 5G cellular network. We propose a system for learning to control the direction and power levels of multiple 5G cell towers in a simulated environment.

Industry Experience

Summer 2020 **Dropbox** SOFTWARE ENGINEER INTERN

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

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

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

Fall 2019 - **Georgia Institute of Technology** TEACHING ASSISTANT
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. [Course website](#)

Awards and Honors

April 2022 **National Defense Science and Engineering Graduate (NDSEG) Fellowship**
Graduate fellowship award to pursue research on intelligent robotics. **Acceptance rate: 2%**

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 SHPE Undergraduate Scholarship**
Scholarship sponsored by Intel awarded through the Society of Hispanic Professional Engineers (SHPE). More info [here](#).

July 2020 **Tapia Conference Scholarship**
Awarded a scholarship to cover the cost of attendance to the [ACM Richard Tapia Conference](#).

July 2020 **LSAMP Scholarship**
Scholarship awarded primarily to underrepresented students in STEM. Awarded by the [LSAMP](#) program through Georgia Tech.

April 2020 **Generation Google Scholarship**
Awarded by Google for accomplishment in Computer Science. More info [here](#).

Nov 2019 **Cisco Enterprise Scholarship**
Awarded a Cisco Enterprise Business Group Scholarship through a program in Georgia Tech's College of Computing.

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.