

## 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 2024 - **The Movement Lab** RESEARCH ASSISTANT

Present

- Topic: Using diffusion policies to learn physics-based models of human motion.
- Principal Investigator: Prof. Karen Liu.
- Used diffusion policies to learn torque control of a human character in a physics-based simulator, which presents new challenges due to high-frequency control.
- Result: Work in progress and is an intended submission to SIGGRAPH.

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

Fall 2023

- Topic: Natural-looking locomotion policies for humanoid robots.
- Principal Investigator: Prof. Koushil Sreenath, Hybrid Robotics Lab at UC Berkeley.
- Learned a multi-task controller for natural-looking humanoid locomotion using Adversarial Motion Priors (AMP) and deployed the controller on a real life-sized humanoid robot.
- Result: This work has resulted in a first-author paper. [Project page](#).

Winter 2022 - **Intelligent and Interactive Autonomous Systems Group (ILIAD)** RESEARCH ASSISTANT

Winter 2023

- Topic: Using language goals for robot control policies.
- Principal Investigator: Prof. Dorsa Sadigh
- Fine-tuned CLIP on robot demonstration data to enforce structure in the CLIP joint embedding space for use in downstream manipulation tasks.

Summer 2021 **IBM Research** RESEARCH INTERN

- Topic: Applying off-policy RL algorithms to optimize millimeter-wave communications in 5G cellular network.
- Supervisor: Dr. Alberto Valdes Garcia.
- Developed a system that learns to control the direction and power levels of multiple 5G cell towers in a simulated environment.

## Industry Experience

### Summer 2020 **Dropbox** SOFTWARE ENGINEER INTERN

- Topic: chrome extension for organizing workflow
- Create the ML infrastructure for predicting tabs that are considered clutter and can therefore be closed.
- Build the infrastructure for client-server interaction in Typescript, train the ML model using Python, and display the results on the front end using ReactJS.

### Winter 2020 **Facebook AI Research** SOFTWARE ENGINEER INTERN

- Topic: software development for [AI Habitat](#), a simulator for training embodied AI agents.
- Supervisor: Prof. Dhruv Batra
- Create a tool to collect image data from within the simulator, train semantic segmentation models on the image data, and develop a renderer to color semantish meshes.

### Summer 2019 **Amazon** SOFTWARE ENGINEER INTERN

- Topic: methods for image segmentation along linear boundaries.
- Supervisor: Michael Lou
- Develop a data labeling tool and implemented and trained novel vision architectures in Pytorch.

### Summer 2018 **Georgia Tech Research Institute** RESEARCH INTERN

- Fall 2018
- Topic: classify noisy radio signals using deep learning.
- Supervisor: Dr. Jason Zutty
- Implement convolutional and recurrent architectures as primitives into an existing optimization library based on genetic programming.

## Teaching Experience

### Fall 2021 **Stanford University** COURSE ASSISTANT

- Course: CS 221: Artificial Intelligence: Principles and Techniques.
- Responsibilities: managing course content, hosting office hours, and grading assignments.

### Fall 2019 - Spring 2021 **Georgia Institute of Technology** TEACHING ASSISTANT

- Course: CS 7643: Deep Learning. Topics include vision and language models, generative models, and reinforcement learning.
- Created and maintained course material, graded assignments, and assisted students in office hours.

## 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.