

# Jerry Xiong

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## Education

### Georgia Institute of Technology

Joint BS/MS in Computer Science, Fall 2021 – Spr 2023 (BS) - 2024 (MS)

GPA: 4.00 / 4.00 (MS), 3.96 / 4.00 (BS)

Coursework includes: CS8803 theory of intelligence, CSE6242 data analytics & visualization, CS7643 deep learning, CS6515 graduate algorithms, CS3630 robotics & perception

## Research

### *Georgia Tech Computer Vision and Machine Learning and Perception Lab* (Aug 2023 - Present)

- Grounding embodied agent behavior with language using foundation models

### *Georgia Tech Cognitive and Relational Robotics Lab* (Jan 2022 - May 2023)

- Multi-agent reinforcement learning in environments with heterogeneous agents
- Accepted to NeurIPS 2023 as 2nd author

## Experience

### **Hudson River Trading**, Algo Developer intern (Summer 2023)

- Predictive modeling of equity prices
- Explored practical applications of generative modeling via diffusion

### **NASA Goddard Space Flight Center** (Summer 2021)

- Statistical modeling of extreme precipitation using satellite imagery
- Poster at American Meteorological Society 2021 as 1st author

## Projects

**CS8803 course project** (2023) - theoretical work on self-supervised learning

**Lux AI Challenge** (2023) - multi-agent reinforcement learning, Jax & PyTorch

**MIT Battlecode** (2022) - reinforcement learning, PyTorch

**Kaggle Competitions** (2021) - three contests, semi-supervised learning via PyTorch

## Awards

**International Collegiate Programming Contest Southeast USA Regionals** - 7th place (2023)

## Involvement

**Teaching Assistant** - CS6515 Introduction to Graduate Algorithms (Fall 2023)

**Georgia Tech Big O Theory Club** - gave talks about deep reinforcement learning and game theory

## Skills

Advanced proficiency with Python (PyTorch, Jax/Flax, Pandas)

Intermediate proficiency with C++, SQL, JavaScript

Intermediate proficiency with Linux, Vim