

# Michael Pisen

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<https://www.michaelpisen.com>

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

BS COMPUTER SCIENCE • BS MATHEMATICS

Overall GPA: 3.81 | Computer Science GPA: 4.0

Graduation: May 2021 | Master's graduation: Spring 2023

## EXPERIENCE

### DROPBOX | Software Engineer Intern

Summer 2020 | San Francisco, CA

Worked on a chrome extension for organizing workflow, where I built the ML infrastructure for predicting "junk tabs", including client-server interaction, model training infrastructure, and some UI. Launched to approximately 500 users during internship.

### FACEBOOK AI RESEARCH | Software Engineer Intern

Winter 2020 | Menlo Park, CA

Built an image extraction tool on top of Habitat Sim (aihabitat.org), a photo-realistic 3D simulator. Trained instance segmentation models like Mask R-CNN using the image extractor.

### AMAZON A9 | Software Engineer Intern

Summer 2019 | Palo Alto, CA

Developed a method for semantic segmentation in images along linear boundaries that performs with 95% accuracy and improves the augmented reality shopping experience for over 2 million users.

### GEORGIA INSTITUTE OF TECHNOLOGY | Teaching Assistant

Fall 2019 - Present | Atlanta, GA

Teaching Assistant for CS 7643 Deep Learning. Create and maintain course material, grade assignments, and assist students. Topics include CNNs, RNNs, generative modeling, and reinforcement learning.

### GEORGIA TECH RESEARCH INSTITUTE | Research Intern

Summer, Fall 2018 | Atlanta, GA

Used deep neural networks to classify digital signals across 24 classes with 80% accuracy. Used Q-Learning to train multiple agents to collaboratively search an environment in StarCraft II.

## SELECTED PROJECTS

### AUTOMATIC CURRICULUM GENERATION FOR 3D NAVIGATION TASKS | Research

Ongoing

Using asymmetric self-play to generate a curriculum for learning navigation tasks in highly realistic 3D environments.

### LEVERAGING HABITAT: A PLATFORM FOR EMBODIED AI RESEARCH | Workshop

Fall 2020

Conference workshop for Tapia 2020 that shows researchers how to get started using Habitat for embodied AI research.

## ORGANIZATIONS

### FRACTAL | Founder

Non-profit organization that promotes CS education in underprivileged communities.

<https://www.fractalcs.org>

### SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS | Board of Directors

### STUDENT GOVERNMENT ASSOCIATION |

Senior Class Representative

Educational Enhancement Committee.

## AWARDS

Generation Google Scholar

2020

Intel Scholar

2020

Tapia Conference Scholar

2020

Cisco Enterprise Business Group Scholar

2019

SHPE Undergraduate Scholar

2019

Estelle Z. Blalock Scholar

2019

HackGSU Prizewinner

2018

CURO Research Assistantship

2017

UGA Experiential Learning Scholar

2017