

# Michael Pisen

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<https://www.michaelpiseno.com>

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

BS COMPUTER SCIENCE • BS MATHEMATICS

Major GPA: 4.0 | Graduation: May 2021

## EXPERIENCE

### DROPBOX | ML Software Engineer Intern

Summer 2020 | San Francisco, CA

Worked on Blink, a chrome extension for optimizing workflow, where I built the ML infrastructure for predicting "junk tabs" from the ground up, including UI, client-server interaction, and model training infra. Launched alpha to 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. 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 RESEARCH AND 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 for underrepresented groups with a focus on AI.

### SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS | Board of Directors - PEP Chair

Leading a program of nearly 50 people focused on personal and professional development.

### STUDENT GOVERNMENT ASSOCIATION | Senior Class Representative

Representing the interests of the senior class for the 2020-21 school year.

## SKILLS

Python · TypeScript · Rust · React · PyTorch

## AWARDS

Generation Google Scholar	2020
Intel Scholar	2020
Tapia Conference Scholar	2020
Cisco Enterprise Business Group Scholar	2019
SHPE Undergraduate Scholar	2019
Estelle Z. Blalok Scholar	2019
HackGSU Prizewinner	2018
CURO Research Assistantship	2017
UGA Experiential Learning Scholar	2017