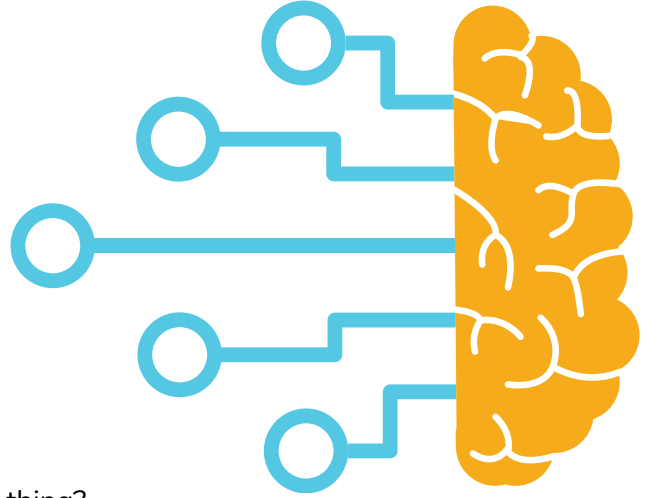# INSPIRIT AI

AI Pioneers

machine learning in Python for students in grades 7 + 8

Will AI chatbots ever be able to think and talk like us?

How good do we really want AI to get?
Do we want AI voices and video to be nearly identical to the real thing?

How can AI be used to tackle challenges in healthcare and prevent the spread of disease?

Come explore the answers to these questions with our experienced instructors from Stanford, MIT, and AI backgrounds.

As an AI Pioneer, you will dive into training AI to understand language, fight COVID-19, drive independently, and more! As you learn to program AI in Python and RunDexter, you will apply algorithms to real-world datasets, discuss AI ethics and applications, and build interactive web apps in Streamlit to deploy their machine learning models. AI Pioneers will enjoy the personalization that comes with an approximately **4:1 student teacher ratio.**

Students will come away from this course with a new programming toolkit to use for AI and machine learning as well as a portfolio of projects. On their final day, family and friends are invited to join a virtual poster session where students will be presenting their final projects: a web app for social good on the topic of their choice.

meet the teaching team

Nabib Ahmed
- Harvard master's student in statistics
- returning Inspirit instructor
- studies focused on the math behind machine learning algorithms and their application in policy, finance, and healthcare

Greta Farrell
- MIT '18 - Mathematical Economics
- Inspirit AI curriculum developer
- former middle and high school math teacher at the Khan Lab School in Mountain View, CA

Daniela Ganelin
- MIT Math, CS (Bachelor's) + CS with AI (Master's)
- Inspirit AI Director of Curriculum
- former math + AI high school teacher
- research in online education, recommendation systems, dementia diagnosis

Apply Now

75 minute sessions 2x per week for 10 weeks

Spring Session: April 10 - June 13 Saturday + Sunday 8-9:15 AM Pacific Time

Summer Sessions: weekday and weekend options available, more info at inspiritscholars.com

Tuition: $900

apply now at bit.ly/inspirit-ms-app

questions: greta@alum.mit.edu

*instructors are subject to change

INSPIRIT AI

AI Creators

a first course in AI for students in grades 5-7

Ever wonder how self-driving cars work?
Or if chatbots will be able to hold human-like conversations?

Why does facial recognition incorrectly identify people of color and how can we stop it?

How can AI be leveraged to tackle some of today's biggest issues including climate change and social justice?

What if we told you that you could learn the answers to these questions and more--all without having programming experience?

That's right, no prior coding experience is necessary to learn the basics of AI and machine learning! Our team of **instructors from Stanford, MIT, and AI backgrounds** will teach you any coding skills you need to know, and over the course of this 10 week program you'll build a self-driving car in Scratch, train your own machine learning models, build a recycling sorter app, and create an app of your choice as a final project for social good.

This course is primarily for students in grades 5-7 who are new to programming. Middle school students who have significant coding experience, particularly in written languages (e.g. Python, JavaScript), are a better fit for the AI Pioneers course. With either course, students will benefit from the personalization our online program provides with an approximately **4:1 student-teacher ratio.**
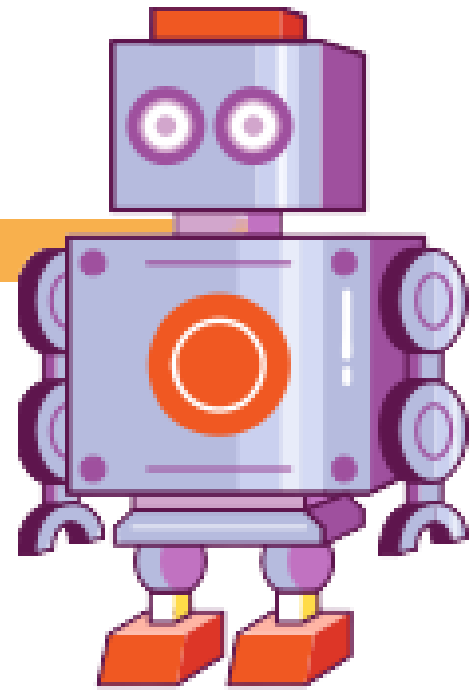
meet the teaching team

Greta Farrell
- MIT '18 - Mathematical Economics
- AI Creators curriculum developer
- former middle and high school math teacher with a focus on project-based learning at the Khan Lab School in Mountain View, CA

Ethan Garza
- MIT CS '21
- served as educational director for Ivy Seed Academy's summer app development program
- research in underwater robotics and app development for VR

Kayla Holman
- MIT CS '20, current MIT master's student in CS
- AI Creators curriculum developer
- STEM mentor for middle school girls
- research in robotics for manufacturing and autonomous vehicles

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