Teaching Computers to Think and Learn
Virtual Camp
August 12, 2024 to August 16, 2024
1:00 PM to 3:00 PM

Daily Schedule

12:45 PM - 1:00 PM	Camp Virtual Room Opens
1:00 PM - 1:05 PM	Attendance
1:05 PM - 2:00 PM	Activity Time
2:00 PM - 2:05 PM	Break
2:05 PM - 3:00 PM	Activity Time
3:00 PM - 3:05 PM	Camp Virtual Room Closes

Camp Agenda

Session #1: Introduction to AI

Aug 12, 2024 | 1pm - 3pm EST

In this session, participants will be going through the fundamentals of Artificial Intelligence, and learn about how AI was developed over the long history of technology. Participants can also expect to be introduced to a simple AI tool, and see how the AI takes information we give it and learns from it.

Session #2: Machine Learning Challenge

Aug 13, 2024 | 1pm - 3pm EST

In this session, participants will put their skills to the test - creating a simple AI model using the tool from the previous day to solve a problem. Participants can expect to use an engineering design process to design, build and test the AI model.

Session #3: Neural Networks

Aug 14, 2024 | 1pm - 3pm EST

Participants can expect to explore cybersecurity by looking at passwords and encryption. By better understanding how our data is constantly under attack by those who would seek to steal it, we can understand how to better use the various safety approaches to protect ourselves.

Session #4: Ethical AI

Aug 15, 2024 | 1pm - 3pm EST

This session will focus on addressing misuse of AI, and developing critical thinking with regards to potentially AI-generated content. Participants can expect to learn some hallmarks of AI-generated content, and be challenged to use these to identify if content is generated. We will also discuss how AI is used by various tools we engage with daily, and assess how it impacts the effectiveness of the tool.

Session #5: AI in the Modern World

Aug 16, 2024 | 1pm - 3pm EST

The final session will focus on analyzing some of the most advanced AI tools publicly available, and learning how the skills developed during the previous days can be used to use these tools more effectively and safely. Participants will also be discussing the future of AI and learning what skills they would need to work more closely with AI in the future.