

INSPIRIT AI AT OTTAWA HILLS JUNIOR/SENIOR HIGH SCHOOL

Artificial Intelligence Intensive for Middle and High School Students

Taught by Stanford, MIT, and Ivy League graduates



course description

In this 9-session, 31-hour project-based program, we will explore the foundations of machine learning & explore different applications of machine learning models.

In the first half of the course, students learn AI's core technologies including applications, foundational concepts, & programming tools through interactive lectures and coding labs. Students will not only learn about different types of machine learning models, but also apply those models to real data sets. In the second half of the course, students will complete an instructor-led group project applying AI to a particular discipline (e.g., music, healthcare, astrophysics, finance, etc.), utilizing their new programming skills!

first half

Learn AI's core technologies

- Applications
- Foundational concepts
- Programming tools

second half

Complete a group project

- Apply AI to a discipline of their choice
- Utilize real AI data sets to model complex problems

program outcomes

- ✓ Developing AI fundamentals for future extracurricular & professional initiatives
- ✓ Building presentation skills & translating AI projects into college-ready initiatives
- ✓ Gaining exposure to careers in AI through panels

example ai project tracks



AI + Healthcare

Improve patient diagnosis based on medical scans using computer vision.



AI + Mobility

Apply AI to create a safe and synchronized auto pilot system for cars.



AI + Finance

Leverage machine learning to optimize asset combinations and portfolio returns.

example instructors

Courses are led by Stanford, MIT, & top university teachers who specialize in AI & are passionate about inspiring students.



Peter Washington

Instructor

Assistant Professor @ UCSF
PhD Stanford - Bioengineering
M.S. Stanford - Computer Science

- Assistant Professor in the Division of Clinical Informatics and Digital Transformation in the Department of Medicine
- Research focus on AI-powered assistive technology and bioinformatics



Brianna Chrisman

Instructor

Machine Learning Research Scientist @ GRAIL
PhD Stanford - Biomedical Engineering
B.S. Yale - Applied Physics

- Develop machine learning models to detect early stage cancer, quantify tumor burden, and aid in diagnosis.
- Tie together the nuances of assays, terabyte-level genomic data processing, and machine learning models to develop effective, interpretable, & scalable models.

course structure & logistics

Schedule

Weekdays from Monday, June 9 - Friday, June 20, 2025 (no class on June 19)

Middle School Time: 9:00am-12:30pm

High School Time: 1:30pm-5:00pm

apply now

Pricing

Program Fee: \$1500 USD

Prerequisites

None! Beginners are welcome, and advanced cohorts are available.

Apply Now: inspirit-in-ottawa-hills.paperform.co

Contact Program Coordinator Jared Greene
(jaredgreene@inspiritai.com) for more info.

