

# INSPIRIT AI AT THE WALKER SCHOOL

## Artificial Intelligence Intensive for Middle School Students

Taught by Stanford, MIT, and top university graduates



### course description

In this 10-session, 30-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 live online 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!

#### 1 first half

Learn AI's core technologies

- Applications
- Foundational concepts
- Programming tools

#### 2 second half

Complete a group project

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

### example instructors

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



#### Peter Washington

Instructor

- M.S. Stanford - Computer Science  
PhD candidate Stanford - Bioengineering
- Research focus on AI-powered assistive technology and bioinformatics
  - Experienced AI instructor for high school students



#### Brianna Chrisman

Instructor

- B.S. Yale - Applied Physics  
PhD candidate Stanford - Biomedical Engineering
- Research in computational genomics and search algorithm improvement at Google
  - Veteran AI and technology mentor for middle and high school students

### 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 + Disaster Relief

Leverage machine learning to help first responders allocate resources in crisis situations



#### AI + Art

Train models to recognize and complete sketches to create interactive & accessible computer systems



#### AI + Public Health

Use computer vision to determine whether people are wearing masks properly to improve public health

### course structure & logistics

#### Schedule

Weekdays from Monday July 15 - Friday July 26, 2024

Morning Session: 9am-12pm

### apply now

#### Pricing

**Program Fee:** \$1600 USD

Admitted students will be emailed a link for online payment

#### Prerequisites

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

**Apply here:** [inspirit-marietta-24.paperform.co](https://inspirit-marietta-24.paperform.co)

Contact Program Coordinator Jared Greene  
([jaredgreene@inspiritai.com](mailto:jaredgreene@inspiritai.com)) for more info.