INSPIRIT AI in Lakeville!

In-Person Artificial Intelligence intensive for high school students taught by instructors from Stanford and MIT.

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WHY AI SCHOLARS?

We started Inspirit AI to inspire students of all interests at an early age to understand and apply Artificial Intelligence to improve the world. The potential to use this technology for good is limitless. We hope to bring the most recent developments in AI from courses and labs in Silicon Valley to empower high school students globally.

WHAT IS AI SCHOLARS?

What do self-driving cars, Alexa, and iPhone’s face recognition technology have in common? They are driven by modern advances in Artificial Intelligence. AI Scholars is a pre-college enrichment program that exposes curious high school students globally to AI through in-person or live online intensive classes. The program is developed and taught exclusively by Stanford, MIT and leading university alumni and graduate students specializing in AI.

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Inspirit AI Program Logistics: The Hotchkiss School

Class will meet daily from **Monday July 22 - Friday August 2**, weekdays only:

**High School Session:** 1:00pm - 4:00pm

**Pricing:** $1,600 USD

**Prerequisites:** Students in grades 6-12. Beginners are welcome, and advanced cohorts are available.

**Apply Now:** inspirit-lakeville-24.paperform.co

**Contact:** Jared Greene, Program Director, jaredgreene@inspiritai.com

*The Hotchkiss School*

(open to students from all schools)
Why AI Now?

Whether you’re interested in *law*, *healthcare*, *art*, or *economics*, AI is poised to transform almost every discipline and industry in the future. At the core of Inspirit AI’s mission is to equip our students to lead impactful and successful careers. AI is already all around us today, and by the end of the program, students will understand the underlying concepts and motivations behind technology such as:

- **COMPUTER VISION**
  - Self-Driving Cars
  - Facial Recognition
  - Medical Diagnosis

- **NATURAL LANGUAGE PROCESSING**
  - ChatGPT
  - Alexa
  - Siri

- **RECOMMENDATION ENGINES**
  - Netflix
  - Spotify
  - Amazon

- **DEEP LEARNING**
  - Google Translate
  - Autocorrect
  - Chatbots

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Our Team

DANIELA GANELIN
Director of Curriculum
Education: MIT Master’s in Computer Science (AI), MIT Bachelor’s in Computer Science and Math, MIT Teaching License
Research: Studying economic disparities in online education, diagnosing dementia with machine learning, creating AI-generated images, and improving recommendation engines.

ANNA SAPPINGTON
Instructor
Education: Marshall Scholar Graduate work in AI/ML, MIT Bachelor’s in Computer Science and Biology
Research: Anna was part of multiple AI labs at MIT including Aviv Regev’s lab and Sangeeta Bhatia’ lab. She has applied AI to genomics with the goal of mapping every cell in the human body.

ARTEM TROTSYUK
Instructor
Education: Stanford PhD candidate in Bioengineering, Stanford Master’s in Computer Science, UC Davis Bachelor’s in Biology, Minors in Communication and Writing
Research: Using bioengineering tools coupled with artificial intelligence to improve wound healing outcomes in diabetic patients. Developing AI-powered smart bandages with a closed-loop system for personalized medicine.

AKSHAY JAGADEESHA
Instructor
Education: Harvard Medical School Postdoctoral Neuroscience Fellow, Stanford PhD in Vision Science
Research & Teaching: Analyzing artificial neural networks and understanding what computations the human brain performs to give rise to perception. Helped design and teach several courses at UC Berkeley and Stanford ranging from computer vision to neurobiology to the science of meditation.

GRETA FARRELL
Curriculum Developer
Education: MIT Bachelor’s in Economics
Teaching: Has experience student-teaching in a variety of schools: urban, rural, suburban, as well as public, charter, private, and boarding. Before joining Inspirit as a curriculum developer, she taught middle and high school math from pre-algebra to precalculus and developed mastery-based curricula at the Khan Lab School.

CHRIS PIECH
Faculty Advisor
Education: Stanford PhD in Artificial Intelligence, Stanford Bachelor’s in Computer Science
Research & Teaching: Assistant Professor of Computer Science at Stanford, teaching introductory programming, probability, and artificial intelligence courses. Faculty advisor for the Stanford course, “Artificial Intelligence for Social Good.”

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Students develop fundamental AI skills and apply them to a mentor-led group project that they later present during a final showcase. Students gain access to an online portal for continuous learning after the program.

AI CAREERS AND VENTURES

Students learn from industry and academic guest speakers about AI’s impact in domains such as healthcare, transportation, and chat applications. Students receive guidance on pursuing various careers that involve AI.

PRE-COLLEGE PREPARATION

Students attend workshops aimed to prepare them for leading CS and AI programs internationally. Students gain inspiration from successful Stanford and MIT admissions essays and learning how to communicate their project experiences effectively.
We've had the fortune of guiding students with interests across healthcare, robotics, art, economics, journalism, and more from 70+ countries in learning fundamental AI concepts, preparing for college admissions, and applying their passions to achieve social good. 45% of our students come to the program with no previous background in CS.
Featured Projects

AI can apply to almost every discipline from health to art, finance, and more. Our team of graduate students at leading U.S. universities have diverse experiences and will mentor projects in a variety of domains.

AI + Mental Health:
Digital Phenotyping to Detect Schizophrenia

In this project, students will modules such as Pandas, Matplotlib, and Scikit-learn to examine the distribution of smartphone sensor and survey data. Students will build models that will predict depression and relapses in the hopes of initiating preemptive treatment. Along the way, students will also discuss the ethical implications of data gathering and erroneous predictions.

DEVELOPED BY
Peter Washington
Stanford PhD Student and Researcher in AI + Accessibility

AI + Astronomy:
Searching for Exoplanets

In this project, students will use data collected from NASA’s Kepler space telescope to train AI models to detect and characterize exoplanets. Finding exoplanets could help us discover alien life! Students will also gain experience in training models with imbalanced classes of data.

DEVELOPED BY
Kaylie Hausknecht
Harvard Astrophysics Student and NASA Intern
AI + Healthcare:
DNA Detectives for COVID-19

In this project, students create machine learning models to trace the geographic origins of COVID-19 strains to help understand its spread. Students learn about the biology behind the virus and techniques for working with genomic data. Students also apply advanced techniques like dimensionality reduction for building more accurate models from complex biological datasets.

DEVELOPED BY
Brianna Chrisman
Stanford PhD in computational genomics

AI + Finance:
Stock Sentiment Analysis

In this project, students use AI to predict stock market trends based on financial news and Tweets. Over the course of the project, students will learn about financial analysis and use state-of-the-art Natural Language Processing models like LSTMs and Google’s new BERT algorithm to make stock market predictions with high accuracy.

DEVELOPED BY
Aansh Shah
Brown University M.S. in Computer Science and Amazon Engineer
Curriculum

Programs run for 10 sessions of 3 hours each on weekdays.

In the first half of the program, students learn AI's core technologies including applications, foundational concepts, and programming tools through live in-person or online classes and collaborative mini-projects.

In the second half, students complete a mentor-led AI for Social Good project where they apply the programming skills developed in Part 1. Students also attend workshops aimed to provide inspiration for college essays and AI-related careers.

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Inspirit AI in Leading Schools

We’re proud to collaborate with schools and districts to offer **summer programs, in-school elective, after school programs** taught by our experienced top university AI instructors!

Among our many collaborations include:

- **Inspirit partnered with British School Manila, a premier school in the Philippines, to bring an after-school AI enrichment activity to high schoolers.**

- **Inspirit worked with Sal Khan’s project-based school to offer a full-year school-day elective in the foundations and applications of machine learning.**

- **Inspirit collaborated with Winchester Thurston to integrate capstone projects into its innovative course “Machine Learning and the Social Implications of AI.”**

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Kalissa G.  
Now at Stanford University  
Inspirit Project: AI + Social Justice  
"I collaborated on an AI project that focused on social justice ... The program enhanced my interest in pursuing a degree in Computer Science during my freshman year at Stanford."

Arnav Das  
Now at CalTech  
Inspirit Project: AI + Exoplanet Discovery  
"The Inspirit program enabled me to dive into the math behind Machine Learning and develop practical skills that I have applied to further AI passion projects including Deep Learning for planetary research."

Ananya G.  
Now at Princeton University  
Inspirit Project: AI + Journalism  
"The summer program was a great experience ... I enjoyed dwelling on ethical questions and learning about applications of AI directly from people working to create them."

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The Inspirit AI summer program was a great experience and addition to my preparation for college. I benefited from the insightful conversations I had with our instructors who also helped me post-Inspirit AI, including during the college application process. On top of working with code, I enjoyed dwelling on ethical questions and learning about applications of AI directly from people working to create them. At the intersection of my passions for tech and journalism, I got to work on a fake news detection AI model, create a student poster, and present it with my team. I believe projects like that one that span different interests are both fun to work on and a good way to demonstrate your passion.
Alumni Case Study 2: Display collaborative skills through teamwork

Kalissa Greene
Currently Attending: Stanford University

How did the AI Scholars Program impact your college preparation?

The AI Scholars program gave me a much broader view of computer science and helped me better prepare for college. It also gave me a chance to develop an independent passion project that I drove alongside my fellow Inspirit AI classmates, which I think helped me stand out in my college applications.

Kalissa Greene
Currently Attending: Stanford University

AI + Social Justice

How did the AI Passion Project help you stand out in the college admissions process?

As an AI Scholar this year, I collaborated on an AI project that focused on social justice and engaged with fellow students and instructors who have a passion for AI. Having this opportunity to advance my AI skills and learn how AI can be used in so many ways to positively impact society was an invaluable experience prior to college. The AI Scholars program enhanced my interest in pursuing a degree in Computer Science with a concentration in AI. I am thrilled to now have an opportunity to serve as an AI Leadership Fellow during my freshman year at Stanford.

Read more about Kalissa Journey Applying AI to Social Justice

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Instructor and Student Experiences

Sehj Kashyap (Stanford MS in BioEngineering), Sedinam Worlanyo (Stanford MS Education)  
Aashi Tyagi (Student, Dubai and Currently studying CS and Business at UIUC)

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Since the program’s inception:

500+ Inspirit AI Scholars have been accepted to undergraduate degrees at Harvard, Yale, Princeton, Stanford, MIT, UC Berkeley, Oxford, and Cambridge, among many other top universities worldwide. We are proud to have 150+ alumni accepted to Ivy League schools.

A snapshot of where our alumni have been admitted:

- Princeton: 9 acceptances
- University of Pennsylvania: 25 acceptances
- Stanford: 17 acceptances
- University of Cambridge: 2 acceptances
- Harvard: 9 acceptances
- UC Berkeley: 38 acceptances

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Inspiring the Next Generation of Leaders: From High School to Higher Education

Our scholars come from schools from around the world and often attend the world’s most prestigious higher education institutions. Here is a snapshot of some of our students’ journeys.

- UWC
- Bellarmine College Preparatory
- Trinity School
- Princeton University
- Stanford University
- Columbia University
- Brown University
- UCL
- UCLA
- UC Davis
- British School Manila
- Shanghai American School
- Thomas Jefferson High School for Science and Technology
- University of Oxford
- University of California

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Contact Info

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