

Designing Projects for Social Good with Generative AI

In-Person Artificial Intelligence intensive for middle and high school students taught by instructors from Stanford, MIT, and Ivy League universities.



Apply at genai-grosse-pointe.paperform.co | www.inspiritai.com | +1 240 226 1366

Gen AI Impact

From chatbots that can reason and write **to image and video tools** that can generate realistic visuals, animations, and simulations, **generative AI is redefining how people learn, work, and innovate** across every field.

At Inspirit AI, we believe students shouldn't just be passive users of these technologies. They should also be **creators and problem-solvers** who know how to design **responsible, socially meaningful applications**.

LARGE LANGUAGE MODELS

ChatGPT, Claude, and open-source LLMs power everything from tutoring apps to legal research to business strategy.

AGENTIC AI SYSTEMS

Self-directed AI agents can plan, reason, and complete multi-step tasks in research, healthcare, and personal productivity.

GEN AI TOOLS

Explore the latest Gen AI tools* and build socially impactful projects using vibe coding.



ChatGPT



Lovable

bolt



perplexity

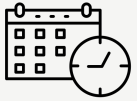


INSPIRIT AI

*tools subject to change

Inspirit AI Program Logistics

Parcells Middle School



Class will meet daily from **Monday July 27 – Friday August 7, weekdays only:**

Middle School: 9:00am–12:00pm

High School: 1:00pm–4:00pm



Pricing: \$500

This discounted rate is available to the first 25 registrants from GPPSS. The standard fee is \$1500. Admitted students will receive an enrollment link to secure their spot.



Prerequisites: Students in grades 6–12. Beginners are welcome. No coding experience required.



Apply Now:

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



Hosted at Parcels Middle School
(open to students from all schools)

Our Program



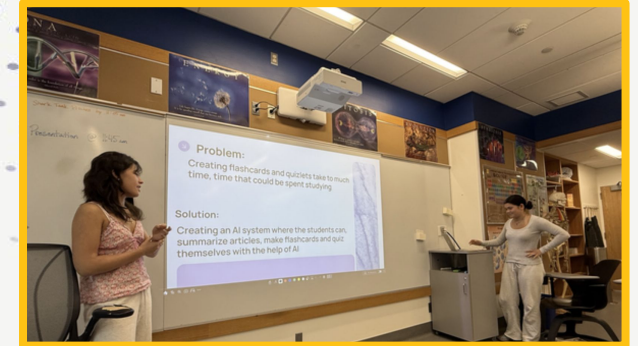
PRACTICAL AI & VIBE CODING SKILLS

Gain hands-on experience with **no-code AI platforms**, **Large Language Models**, **AI agents**, and **multimodal systems**, along with expertise in prompt design, rapid prototyping, and user experience design.



STUDENT-CREATED AI PROTOTYPE

Design and launch a **student-created generative AI prototype** addressing a real-world, **socially impactful problem**. Students can work on projects across disciplines, such as **healthcare**, **economics**, **sustainability**, & **more**.

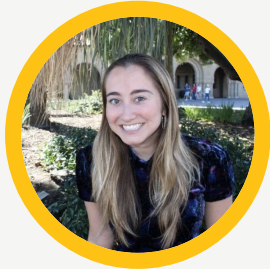


PATHWAYS FOR SHOWCASING & CONTINUING WORK

Learn to package your project **for the outside world**. Leave with a story to tell to **science fair judges**, **admissions officers**, & **more** about how the project connects to global challenges.

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Meet Inspirit AI Faculty Members



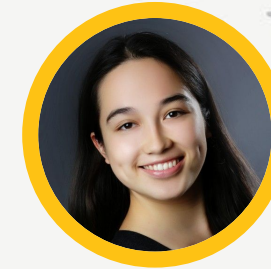
MADDIE BRADSHAW Director of Curriculum

Education: *Harvard* Master's in Education, *Stanford* Bachelor's in Science, Technology, & Society
Experience: Helps oversee the development and implementation of programs and products at Inspirit AI. Taught computer science and STEM at a K12 independent school. Former entrepreneur, as seen on *Shark Tank*.



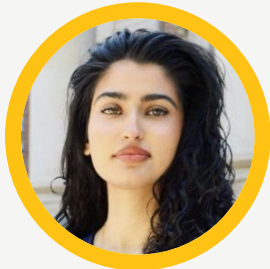
ERIC BRADFORD Instructor

Education: *MIT* Master's and Bachelor's in Computer Science
Experience: Applying AI to augmented and virtual realities to simplify the robot creation process. Has assisted in teaching MIT Professional Education courses in Data Science. Mentors high school AI/ML projects as experienced researcher.



ANDREA MOCK Instructor

Education: *Stanford* Master's student in Data Science, *Wellesley* Bachelor's in Data Science
Experience: As a data professional, Andrea thrives on using technology and analytical skills to make sense of complex problems. Her passion for data science and engineering has taken her on a journey from Wellesley College, HackDiversity, DraftKings, and beyond.



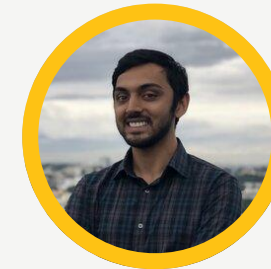
IMTISAAL MIAN Instructor

Education: *Harvard* Bachelor's in Bioengineering and English
Experience: Award winning author, a clinical researcher, and a national nonprofit founder, leveraging AI/ML to make an impact. She has also held clinical research positions at top ranked institutions like The Hospital for Sick Children and Massachusetts General Hospital.



KUAN-CHUEN WU Instructor

Education: PhD Mechanical Engineering, *Stanford* Master's in Computational and Mathematical Engineering, *Harvard* Bachelor's in Electrical Systems Engineering
Research & Teaching: Chief Technology Officer at ANI.ML Health Research, an AI startup on veterinary health. Lead Data Scientist applying AI and experienced instructor having taught AI/ML to 3000+ students.

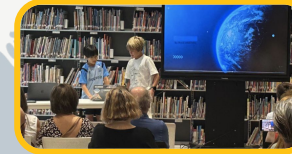


AKSHAY JAGADEESH Instructor

Education: *Stanford* PhD in Vision Science, *UC Berkeley* Bachelor's in Computer Science and Cognitive Science
Experience: 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.

Building a Global AI Classroom

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.





INSPIRIT AI

Sample Student Project Topics:

AI +



healthcare and mental health



economics and financial inclusion



engineering



environmental sustainability



education



& more

Sample Student Projects



AI + Healthcare and Mental Health

AI Wellness Companion

A chatbot that checks in with users daily about mood, sleep, and stress, and offers evidence-based self-care strategies.



AI + Economics and Financial Inclusion

Savings Challenge Generator

A prototype that suggests daily or weekly micro-saving tasks (i.e. "Save \$2 today by packing lunch") and tracks streaks.



AI + Engineering

AI Design Critique Tool

Upload sketches or descriptions of prototypes, and the AI suggests improvements, such as increasing efficiency or safety.



AI + Environmental Sustainability

Carbon Footprint Estimator

A chatbot that asks about daily habits and gives users a rough estimate of their CO₂ impact.

Sample Student Projects



AI + Education

Reading Buddy

Reads aloud passages, generates comprehension questions, and adapts difficulty for the user's level.



AI + Healthcare and Medicine

Medication Reminder Assistant

A simple app that generates personalized reminders and explains side effects in accessible language.



AI + Economics and Financial Inclusion

Microloan Analyzer

A tool that summarizes borrower profiles for microfinance organizations, making funding decisions more efficient and transparent.



AI + Engineering and Sustainability

Materials Impact Checker

A prototype that evaluates the sustainability footprint of common engineering materials (steel, plastic, bamboo, etc.).

Sample Course Schedule



Program Components

	AI Concepts & Applications
	Vibe Coding Lab
	Group Activity and Discussion
	Interactive Workshops

Session 1	Session 2	Session 3	Session 4	Session 5
Introduction to Generative AI and AI Ethics	Prompt Engineering & Techniques	AI Tools for Different Use Cases	AI Research Exploration	Text-to-Prototype AI Tools
Generative AI Debate	Improving Our AI Assistants	Lab: LLMs, Cross/Multimodal AI & RAG	Lab: RAGs for Researching Problems	Lab: Game Design with AI Prototyping Tools
Lab: LLMs and Vibe Coding	Lab: Prompt Engineering & AI Models	Global Challenges and How AI Can Help	Simple Scripts to Start Projects	Prototyping Socially Impactful AI Projects
Session 6	Session 7	Session 8	Session 9	Session 10
Deciding Project Topics & UX Design	Peer Testing and Iterating	Entrepreneurship, Science Fairs, Journals, & More	What Makes a Great Product Pitch	Final Project Presentations
Lab: Generating Socially Impactful Prototypes	Lab: Iterating with Simple Scripts and Vibe Coding	Positioning Project for the Future: Workshop	Project Work Time and Demo Building	
AI Feature Building and Refinement	Defining Impact Metrics	Project Work Time	Presentation Prep	College and Career Panel

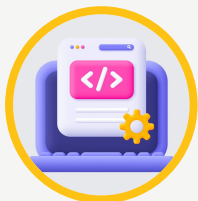
Curriculum



This program invites middle and high school students to explore the **latest generative AI tools** and design an original project from scratch to address a social problem they care about. **No programming or computer science background is required.**



Students will learn to leverage **vibe coding skills** to make a real-world impact. Student-driven projects are designed to create measurable social impact across disciplines, such as **healthcare and mental health, economics and financial inclusion, engineering, environmental sustainability, and education.**



Students are guided step-by-step through powerful **no-code and low-code AI platforms** along with hands-on exposure to modern **Large Language Models, AI agents, Retrieval-Augmented Generation (RAG), and context engineering.**



Students then move from idea to launch, using **vibe coding** skills, to define their project's purpose, target users, and measurable impact. Students learn how to **pitch their projects** and position their work for **competitions, research fairs, and college portfolios.**

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Create a prototype for an app that is a "health literacy explainer" that converts complex medical documents into plain language summaries for patients.

Lovable

Thought for 11 seconds

I'll create a health literacy explainer app with clean, trustworthy medical aesthetic. This will feature document upload, AI-powered simplification, and clear before/after comparison.

Design inspiration: Healthcare apps like MyChart, with document processors like Grammarly, with medical trust indicators and accessibility-focused design.

Features for v1:

- Document upload & text input area
- AI processing simulation

Ask Lovable...



Edit

Chat



Sample Student Prototype: *Health Literacy Explainer*



Health Literacy Explainer

Convert complex medical documents into plain language

HIPAA Compliant

Patient Focused

Beta v1.0

Turn Complex Medical Documents Into Plain Language

Understand your lab results, discharge instructions, and medical reports with AI-powered translation that converts medical jargon into clear, everyday language.

Start Simplifying Documents →



Upload Any Document

Lab reports, prescriptions, discharge summaries, and more



AI-Powered Translation

Advanced algorithms convert medical terms to everyday language

Upload Your Medical Document

Paste or upload any medical document and we'll translate it into language that's easy to understand. Your privacy is protected - documents are processed securely.

Medical Document Input



Drop a text file here or paste your medical document below
Lab reports, discharge summaries, medical instructions

Paste your medical document text here... (e.g., lab results, discharge instructions, medication information)

0 characters

Simplify Document

How This Course Differs from AI Scholars

AI Scholars

Focus on Python as the core learning tool

Strong emphasis on building coding fluency for future technical AI/ML courses

Choose from several AI project tracks across domains (medicine, finance, engineering & more)

Both Courses

Project-based learning approach

Culminate in a final showcase

Projects can be positioned for college portfolios, competitions, journals, & more

Designing AI Projects with Gen AI

Focus on low-code and no-code platforms

Heavy use of prompt engineering, context design, and UX design

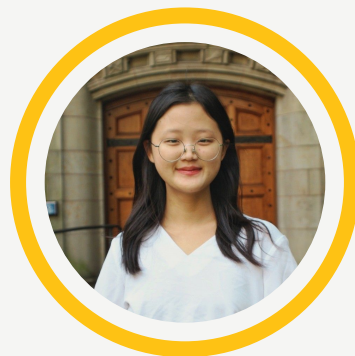
Design a socially impactful project of your choice

Student Highlights



Andrew Cho, Now at Princeton University

“The AI Scholars program was pivotal in my choice to pursue a major in Computer Science, especially to explore AI further. Learning technical skills in machine learning from a knowledgeable mentor opened my eyes to the possibilities of my major in impacting various areas of society from criminal justice to healthcare.”



Leslie Kim, Now at Yale University

“The AI Scholars project showed me from start to finish how to create a model that takes in a large amount of data and applies mathematical and statistical techniques to be able to classifying unseen data. **This was incredible to do as a high schooler and important to understand now.** I particularly enjoyed the conversation around ethics and inequalities present in big data.”



Eva Georgaklis, Now at Columbia University

“My AI Scholars program equipped me well to start my career journey in tech. I had zero experience coming into the program, and I left the program with python experience, a new project on my resume, and more confidence to take on coding challenges and immerse myself in more computer science opportunities.”



INSPIRIT AI

Alumni Case Study 1:

Demonstrate unique passion to college admissions committees



Victor Chen
Inspirit AI Scholars Alum



Now at Stanford University
Computer Science

Project: AI + Self-Driving Cars

How did the AI Scholars Program impact your college preparation?

"AI Scholars was **my first introduction to AI, sparking my passion for the field and setting me on my current path.** It gave me a foundation in machine learning and problem-solving, which shaped my academic interests and **led me to pursue AI and computer vision in college.**"

Alumni Case Study 2:

Display collaborative skills through teamwork



Nina Khera
Inspirit AI Scholars Alum



Now at Harvard University
Computational Neuroscience

Project: AI + Cancer Diagnosis

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

"My experience with AI as part of this program helped me learn the necessary skills to do later AI-focused internships, research, and so much more. I got asked tough **AI-focused questions on my interviews, and the knowledge I gained from Inspirit AI helped me answer them.** I also think that the signaling of having a program like this on my resume helped me prove my credibility to interviewers."

Inspirit AI Alumni Admissions

Class of 2028 Admissions Results:

400+ Inspirit AI students 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 in the past 2 years.

A snapshot of where our alumni have been admitted:



Princeton:
5 acceptances



Stanford:
11 acceptances



Harvard:
5 acceptances



**University of
Pennsylvania:**
13 acceptances



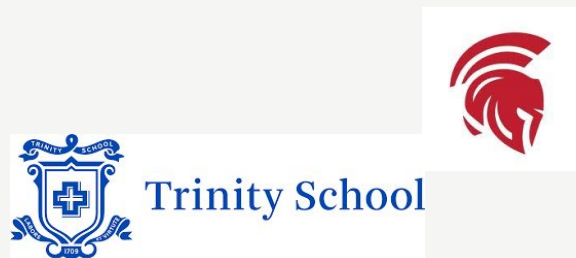
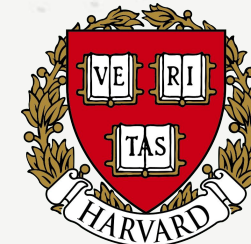
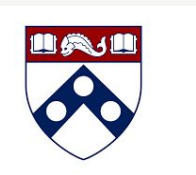
**University of
Cambridge:**
5 acceptances



UC Berkeley:
38 acceptances

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

Our students 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.



BROWN





Contact Info

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