
AI
BRAINS
SummerCamp
BRAINS LA MORALEJA
Del 23 de junio
al 04 de julio
2025
AI
COLEGIO BRAINS
brains
INTERNATIONAL SCHOOLS

INSPIRIT AI in Brains

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

INSPIRIT AI

brains INTERNATIONAL SCHOOLS

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.

Inspirit AI Program Logistics: Brains International School

Monday June 23 - Friday July 4

Middle School Session: 12-14
High School Session: 15-18

Pricing: 1,200 €

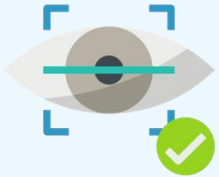
Admitted students will receive an enrollment link to secure their spot.

Contact:

brainscamps@colegiobrains.com

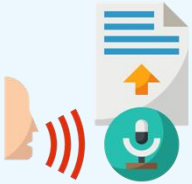
Why AI Now?

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:



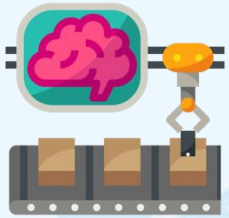
COMPUTER VISION

Self-Driving Cars
Facial Recognition
Medical Diagnosis



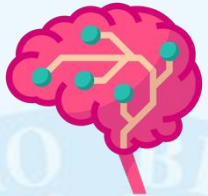
NATURAL LANGUAGE PROCESSING

ChatGPT
Alexa
Siri



RECOMMENDATION ENGINES

Netflix
Spotify
Amazon



DEEP LEARNING

Google Translate
Autocorrect
Chatbots

Inspiring IA 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.

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.

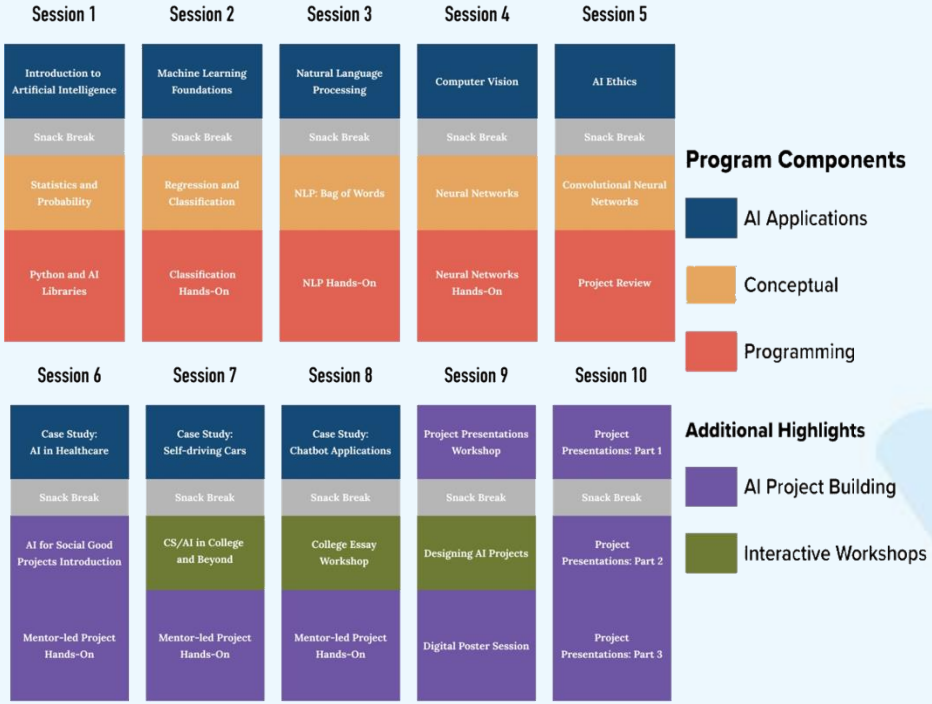
ANNA SAPPINGTON
Instructor

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.

AKSHAY JAGADEESH
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.

High School Curriculum (age: 15–18)



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 1Students also attend workshops aimed to provide inspiration for **college essays** and **AI-related careers**.

Our High School Program

AI FOR SOCIAL GOOD PROJECT

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.

Featured High School 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

Featured High School Projects

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

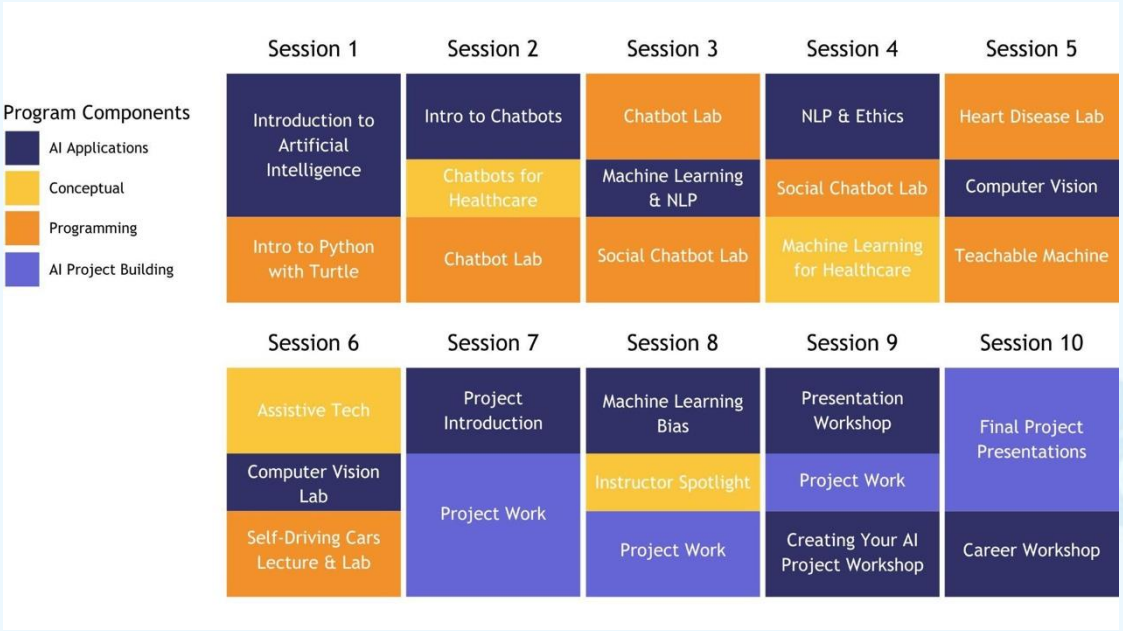
In this project, students use AI to **predict stock market trends** based on financial news and Tweets. Over the course of the project, students will learn about financial analysis and use state-of-the-art **Natural Language Processing models** like LSTMs and Google Gemini to make stock market predictions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

DEVELOPED BY

Aansh Shah

Brown University M.S. in Computer Science and Amazon Engineer

Middle School Curriculum (age: 12-14)



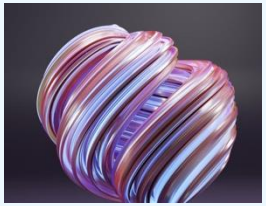
In this project-based program, we will explore the foundations of machine learning & explore different applications of machine learning models.

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!

Featured Middle School Projects

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

Inspirit AI in Leading Schools

Inspirit AI collaborates with schools and districts to offer **summer programs**, **in-school elective, after school programs** taught by our experienced top university AI instructors!

Among their many collaborations include:

THE BRITISH SCHOOL MANILA

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

KHAN LAB SCHOOL

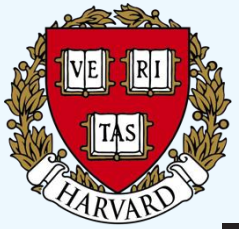
Inspirit worked with Sal Khan's project-based school to offer a full-year **school-day elective** in the foundations and applications of machine learning.

Winchester Thurston School

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

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.



THANKS