Delta
Launch

DELTA AI

Immerse yourself in the world of **Artificial Intelligence** with our **project-based AI programs.**

☑ **Learn from industry-leading AI experts**

☑ **Build real-world AI projects for your portfolio**

☑ **Gain a competitive edge in college applications**

Introducing Delta **Launch**

Delta Launch

from **Delta Institute**

Delta Launch is designed to offer high school students a comprehensive set of extracurricular experiences that not only enhance their skills but also add significant value to their college or university applications.

With Delta Launch, students can dive into two distinct, skill-building programs:

Delta AI & Code: This program gives students hands-on experience in AI and coding. They will create their first AI project and develop their first coding solution, gaining practical skills in technology fields that are in high demand. Delta AI & Code prepares students for future academic challenges and career opportunities in STEM fields by equipping them with real-world, project-based experience.

Delta Inspire: In Delta Inspire, students learn how to start their own podcast or organize a TEDx event. This program focuses on practical communication, event planning, and media production skills. By the end of the program, students will have produced a tangible outcome—a podcast or TEDx event —that they can showcase in their portfolios and college applications, demonstrating their initiative, creativity, and leadership.

Delta Launch provides students with unique opportunities to stand out in competitive college and university admissions by offering them practical, results-driven experiences that can be directly applied to their personal and academic growth. These projects serve as a concrete addition to their portfolios, giving them the "Delta factor" that sets them apart from their peers.

An introduction to

DELTA AI

Developed and taught by top AI experts and professionals, Delta AI is a transformative educational program that immerses students in project-based Artificial Intelligence learning.

LEARN FROM **THE EXPERTS**

OpenAI · DeepMind · Canva · MIT

Start or advance your journey in AI
through a pre-college, AI program for middle and high school students

Learn from Stanford alumni and graduate specializing in AI
who work with students in small groups.

Prepare for college applications
through experiential workshops from Stanford graduates.

Solve real world problems
and gain the opportunity to contribute to solving larger issues through the project you build

Global Classroom of AI Learners

100+
Students with a fellowship

20+
Countries where students are from

50+
AI projects completed

20+
AI alumni accepted to Ivy Leagues

Outcomes of Delta AI on College Admissions

Build AI Projects for Portfolio

Students create AI projects that demonstrate real-world impact and showcase them on your college application, resume, and admissions essays.
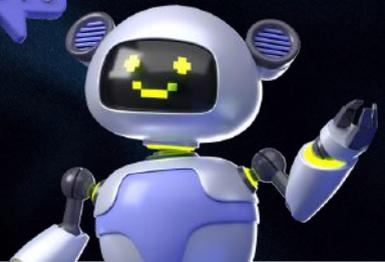
Industry Ready Skills

Participate in hands-on workshops that teach coding and AI skills, led by industry experts from leading universities and tech companies. Help land your first internship!!

Recommendation Letters

Obtain personalized recommendation letters from experienced industry professional that highlight your technical skills, project achievements, and passion for technology.

IT'S TIME TO LEVEL UP. FAST.

Find Your Path with Delta AI Programs

Our team of instructors from leading universities have diverse academic and professional experiences and mentor AI projects in a variety of domains. AI is poised to transform our economy, homes, healthcare, transportation, agriculture, education, and more. In the AI Scholars program students will work in small groups to implement their mentor-led socially impactful AI project.

Choose your program below

AI Intensive

Cohort Based, 5 Weeks.

The 5-week Delta AI Intensive program offers rapid, cohort-based learning with masterclasses and workshops led by industry experts. Students develop their own AI chatbot and industry-specific solution, emphasizing quick skill acquisition and collaborative learning.

01 | **3x masterclasses and 5 workshops** | Join 1 -2 hour long weekly masterclasses and workshops that provide all the guidance on how to build in AI - 0 to 1

02 | **Hackathon style building on your project** | Work in live 'build-sessions' that hones in on your practical skills in AI

03 | **Industry Experts** | Masterclasses from leading AI researchers and other industry professionals

AI Immersive

Exclusive 1:1, 12 Weeks.

The 12-week Delta AI Immersive program provides personalized, one-on-one mentoring and a flexible schedule. Students create an AI chatbot and industry-specific solution, receive expert project evaluations, and benefit from an advanced curriculum and detailed feedback.

01 | **25 one-on-one classes under guidance of a dedicated mentor** | One class every week to be followed by assignmnet and extra study material.

02 | **Complementary 3x masterclasses in ongoing cohort** | Invitation to join 3 masterclasses led by industry experts.
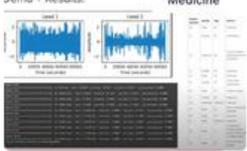
03 | **Industry Panels** | Final project and white paper reviewed by Industry Experts, with an appreciation letter from them.

Student Outcomes

Learning Experience Highlights from 2024

AI in Medicine

Saahira (15)

Saahira built a tool to assess the risk of cardiac arrest in patients using ECG data, age, and sex information.

AI in Finance

Anirudh (17)

Anirudh created a tool to plot stock trends and make predictions to help users make informed financial decisions.

AI for Sign Language

Vedanth (16)

Vedanth harnessed computer vision and LLMs to build a tool that interprets sign language and translates it to text

Check out other inspiring AI projects from our alumni!

Clear

Ligh mode

Updates

Log out

Some recent Delta AI Admits:

AI Intensive

5 weeks.
2 AI projects.

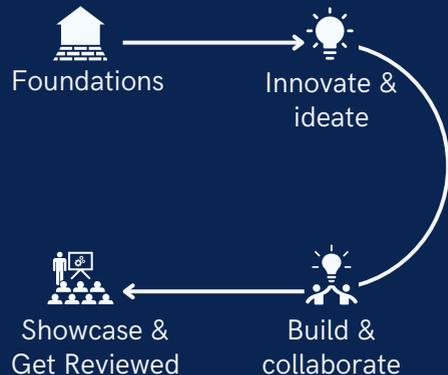Cohort Based Collaborated Learning

The 5-week Delta AI Intensive program offers rapid, cohort-based collaborative learning with masterclasses and workshops led by industry experts. Students develop their own AI chatbot and industry-specific solution.

Price: 2,200 USD

Student Outcomes:
- Project demo, white paper, slide deck
- Transcript with assessment results and a meticulous review from experts

What's Included:

- **Personalized Instruction:** Students get 5:1 personalized guidance, hands-on coding, and live feedback on AI topics.
- **Collaborative Learning:** Students collaborate on AI demos, attend research spotlights, and present at a final showcase.
- **Discord AI Community:** Join the discord AI Community and stay in touch with peers and mentors who excel at AI.

The Process

Foundations → Innovate & ideate → Build & collaborate → Showcase & Get Reviewed

Testimonials

"Delta AI's program was a game-changer. It not only boosted my college application but also ignited my passion for AI."
— *Alex M., Program Graduate*

"The hands-on experience and mentor support were incredible. I feel prepared and excited for my future in tech."
— *Emily R., Program Graduate*

Program Timeline

Week 1
FOUNDATIONS FOR THE FUTURE

ORIENTATION AND COHORT INTRODUCTION

Meet your fellow participants and start building your network.

MASTERCLASSES AND TECHNICAL WORKSHOPS

Attend engaging sessions led by our AI faculty, introducing core concepts in AI and machine learning.

HANDS-ON PROJECT: BUILD YOUR FIRST AI CHATBOT

Learn by doing—develop a local AI chatbot on your own computer with step-by-step guidance.

Week 2
INNOVATE AND IDEATE

PROMPT ENGINEERING

Master advanced prompt engineering and unlock the full potential of the OpenAI API for complex tasks!

APPLIED AI & BRAINSTORMING SESSIONS

Identify real-world problems within your chosen industry.

PROJECT EDA

Apply data wrangling for Exploratory Data Analysis to prepare and analyze project data

FEEDBACK AND ANALYSIS

Get expert feedback on EDA to refine analysis and strengthen data preparation for project success!

Week 3
BUILD AND COLLABORATE

PROJECT DEVELOPMENT SPRINT

Dedicate the week to building your AI project with the support of mentors.

COLLABORATIVE WORKSHOPS

Participate in group sessions to troubleshoot and enhance your project.

EXPERT GUIDANCE

Receive personalized feedback and advice from industry professionals.

MID-WEEK CHECKPOINT

Present your progress for constructive feedback to refine your project.

Week 4
SHOWCASE AND CELEBRATE

FINAL TOUCHES

Polish your project, ensuring it's ready for presentation.

PRESENTATION SKILLS WORKSHOP

Learn how to effectively communicate your ideas and solutions.

DEMO DAY

- Present your project to peers, mentors, and possibly industry guests.
- Provide a live demonstration, submit a white paper, and create a professional presentation deck.

GRADUATION CEREMONY

Celebrate your achievements with your cohort.

Objectives

WEEK 1

- Grasp fundamental AI concepts.
- Gain practical experience with AI tools.
- Establish connections with mentors and peers.

WEEK 2

- Develop critical thinking and problem-solving skills.
- Understand AI applications in various sectors.
- Begin your journey toward creating an impactful project.

WEEK 3

- Apply AI techniques to a tangible project.
- Enhance teamwork and collaboration skills.
- Overcome challenges with expert support.

WEEK 4

- Gain experience in presenting technical projects.
- Receive recognition for your hard work.
- Understand how to apply your learning moving forward.

AI Immersive

12 weeks.

1 Advanced AI project.

1:1, tailor made learning journey for you

Price: 4,800 USD

Student Outcomes:
- Everything in the Intensive plan +
- Final project and white paper reviewed by Industry Experts, with an appreciation letter from them.

Embark on a 12-week, one-on-one AI journey tailored exclusively for you. With flexible start dates, begin whenever it suits you—perfect for both beginners and experts. Learn at your own pace alongside a mentor of your choice, developing a capstone AI project in your area of interest. Experience personalized guidance every step of the way to elevate your skills and stand out.

The Process

Foundations

Innovate & Specialize

Development & Deployment

Showcase & Get Reviewed

AI ⊗ journalism
biology
finance
astronomy
ethics
poetry

Programs comparison

AI Intensive (Cohort Based)	AI Immersive (1:1)

Program Details

AI Intensive (Cohort Based)

PRICE
2,200 USD

OUTCOMES
- Project demo, white paper, slide deck
- Transcript with assessment results and a meticulous review from experts

DELIVERY
- Cohort and group build sessions
- 1:1 Session
- Masterclass
- Discord Community
- Unlimited Office Hours

AI Immersive (1:1)

PRICE
4,800 USD

OUTCOMES
- Project demo, white paper, slide deck
- Transcript with assessment results and a meticulous review from experts
- Final project and white paper reviewed by Industry Experts, with an appreciation letter from them

DELIVERY
- **25** one-on-one sessions
- 3 masterclasses
- Discord Community
- Unlimited Office Hours

Program Timeline

AI Intensive (Cohort Based)

1 WEEK I: FUTURE-PROOF FUNDAMENTALS
Meet your cohort, attend master classes and technical workshops with AI faculty, and build your very own local AI chatbot on your computer.

2 WEEK II: BRAINSTORM AND BEGIN
Choose an industry and brainstorm how AI can help solve a real-world problem. Build while you brainstorm to learn by doing!

3 WEEK III: BUILD WEEK
Hackathon time! Build your project and collaborate to solve problems during group build sessions with your AI mentors

4 WEEK IV: DEMO DAYS & GRADUATION
Present your project with a live demo, white paper and deck, just like the pro's.

AI Immersive (1:1)

1 PHASE I (4 WEEKS)
In our first phase, we will lay the groundwork for your journey into AI. We'll explore fundamental concepts like neural networks and apply them to computer vision, and you'll get to build your first AI chatbot. This phase will be a mix of theoretical learning and hands-on projects.

2 PHASE II (4 WEEKS)
The second phase is all about discovery and creation. We'll also investigate the diverse uses of AI in various sectors, such as finance and climate.

3 PHASE III (4 WEEKS)
Learn project structuring, demonstration, and deployment in real-world environments through workshops.

Industry Experts

Have the opportunity to work with and hear from mentors at leading institutions and companies creating the AI revolution.

Mentors you could work with

Rahul Siripurapu

Applied Scientist at Canva AI | Former Research Fellow at the Institute of Advanced Research in AI (IARAI)

Canva IARAI

Kelly Chen
(Chinese speaking)

Interned at Apple Inc., BMW Group, Tencent | Master of Arts in Data Science from Columbia University

Tencent 腾讯 BMW

Sahib Singh

AI Engineering Lead at Qualifacts | Ex Ford Motor Company, Google, Niki.ai | Specialized in Large Language Models (LLMs)

Google Ford QUALIFACTS n

and **other mentors** who...

Studied at MIT Massachusetts Institute of Technology Stanford University Berkeley UNIVERSITY OF CALIFORNIA
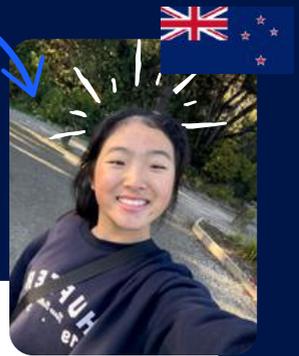
Worked at DeepMind OpenAI Uber TESLA

Alison Lee's Mission to Enhance Chinese Literacy Through AI x Language & Culture

Alison Lee

I would rate the course 5/5. I appreciated how the tutors guided us step by step through working with AI, always providing quick solutions to my questions. I'm really happy with my project, especially considering I had little experience with AI before. These classes have definitely sparked a greater interest in pursuing AI further.

Alison is a high school student from New Zealand who combined her passion for technology and language to create an innovative solution that bridges cultural and linguistic gaps.

Project: Chinese Chatbot

The Inspiration:
Growing up in a Chinese-speaking household in New Zealand, Alison was fluent in speaking and listening but found reading and writing Chinese characters challenging due to limited daily exposure. Realizing that many of her peers faced the same hurdle, she was motivated to create a tool that would make learning Chinese characters more accessible and engaging.
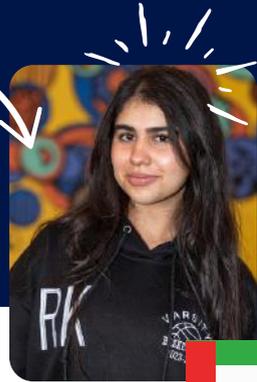
The Solution:
Through the Delta Launch program, Alison developed the Chinese Chatbot—an AI-powered application designed to help users practice and enhance their Chinese language skills through interactive conversations.

Project Highlights:
- Interactive Learning Experience: The chatbot engages users in everyday conversations, helping them improve their reading and writing skills in a practical context.
- User-Friendly Features: Includes a translation feature that allows users to verify their input and learn from mistakes.
- Cultural Connection: Assists bilingual individuals in strengthening their connection to their heritage language.

Raiqa's Journey to Bridge the Financial Gap for Small Businesses Through AI x Finance

Raiqa Kamran

I thoroughly enjoyed this introduction to AI. The course was well-paced, and learning from multiple mentors expanded my perspectives and ideas. I am extremely satisfied with the experience, and I am confident that the knowledge and skills I gained from this course will have a meaningful impact on my future academic and personal growth."

An ambitious high school student with a deep passion for business and finance, Raiqa recognized a significant challenge faced by many small and medium-sized enterprises (SMEs): the lack of accessible, data-driven tools for financial forecasting. Determined to bridge this gap, she embarked on a journey to create a solution that empowers businesses to make informed financial decisions.

Project: Forward Finance: AI tool for predicting future financial performance

The Inspiration:
While delving into various financial models, Raiqa saw firsthand the profound impact accurate financial predictions can have on a company's future. She realized that many SMEs often lack the resources and expertise to navigate complex financial forecasting. Motivated by this insight, she envisioned creating an AI tool that simplifies the process, making predictive financial analysis accessible to all.

The Solution:
Through the Delta Launch program, Raiqa developed Finance Forward AI—an AI-powered application designed to help businesses predict future financial performance using historical data. The tool harnesses machine learning to analyze financial trends, providing valuable insights that aid in strategic planning and decision-making.

Project Highlights:
- AI-Powered Forecasting: Utilizes advanced algorithms to generate accurate financial predictions based on historical data.
- User-Friendly Interface: Designed for ease of use, allowing users without technical expertise to benefit from sophisticated financial modeling.
- Empowering SMEs: Provides accessible tools for smaller businesses to compete more effectively and plan for sustainable growth.

Hear what our programs alumni have to say

Hayato Masuda
Project: Neural Fold
"I never thought I could create a project that integrates my culture and AI. This experience has opened new doors for me."

Omar Khoury
Project: Your Entreprenuer
"I would rate the AI cohort 10/10! I gained both presentation and technical skills, and my mentor guided me in developing the best possible idea for my project and white paper. I was finally able to create an AI project based on my passions."

Rio Murakata
Project: Nakama Chatbot
"My favorite part was being able to create my own project based on my interests. I also really appreciated the support in making slides, understanding how coding works, and learning how AI is applied in projects."

Khyati Vachhani
Project: Meal Plans for patients with Chronic Illness
"The course was definitely a 5/5! I am really satisfied with my project—I never thought I would be able to create an AI chatbot on my own."

SCAN ME

See more testimonials in
www.deltainstitute.co/delta launch/delta-ai-immersive

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Ready to apply?

Scan the QR code below!