

A young woman with red hair and freckles is smiling at the camera. She is wearing a dark turtleneck and jeans with a large belt buckle. She is holding two books in her hands. The background is a library with bookshelves and other students in the distance.

BOUNDLEARN

AI PROGRAM FOR HIGH SCHOOL STUDENTS

SHAPING MINDS.
BUILDING FUTURES.

INDEX

03	INTRODUCTION
04	WELCOME TO A NEW ERA
05	WHY AI IN HIGH SCHOOL?
06	RECORD RESULTS
07	GLOBAL NETWORK
08	HOW WE SUPPORT
09	MEET OUR TEAM
10	<u>PROGRAMS OVERVIEW</u>
12	PROGRAM CURRICULUMS
22	FAQ'S
23	START YOUR JOURNEY

A LETTER FROM BOUNDEARN

WELCOME TO NEW ERA.

At Boundlearn AI, we believe that the next generation of leaders must be fluent in this language of the future. Our mission is to democratize access to world-class AI education. We don't just teach code; we teach a way of thinking.

Our programs are founded and run by graduates from Harvard, Stanford, and MIT. We bring the rigor of Ivy League research labs directly to ambitious high school students.



Tyler Moulton

PROGRAM DIRECTOR

WELCOME TO A NEW ERA OF LEARNING

Boundlearn inspires curious high school students globally by exposing them to the defining technology of our times: Artificial Intelligence. AI is already present everywhere: in our voice-activated devices, smartphone face recognition systems, and autonomous vehicles. The potential to apply this technology for good is limitless.

This online program — developed and taught exclusively by a team of alumni and graduate students from Stanford, MIT, and other top universities — provides guidance on initiating AI projects, pursuing AI ventures, and preparing for college. We empower students not just to consume technology, but to create it, shape it, and lead the conversation around its future.



START JOURNEY

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



ELITE MENTORS

Learn from Harvard, Stanford, Yale, Oxford alumni and graduate students specializing in AI.



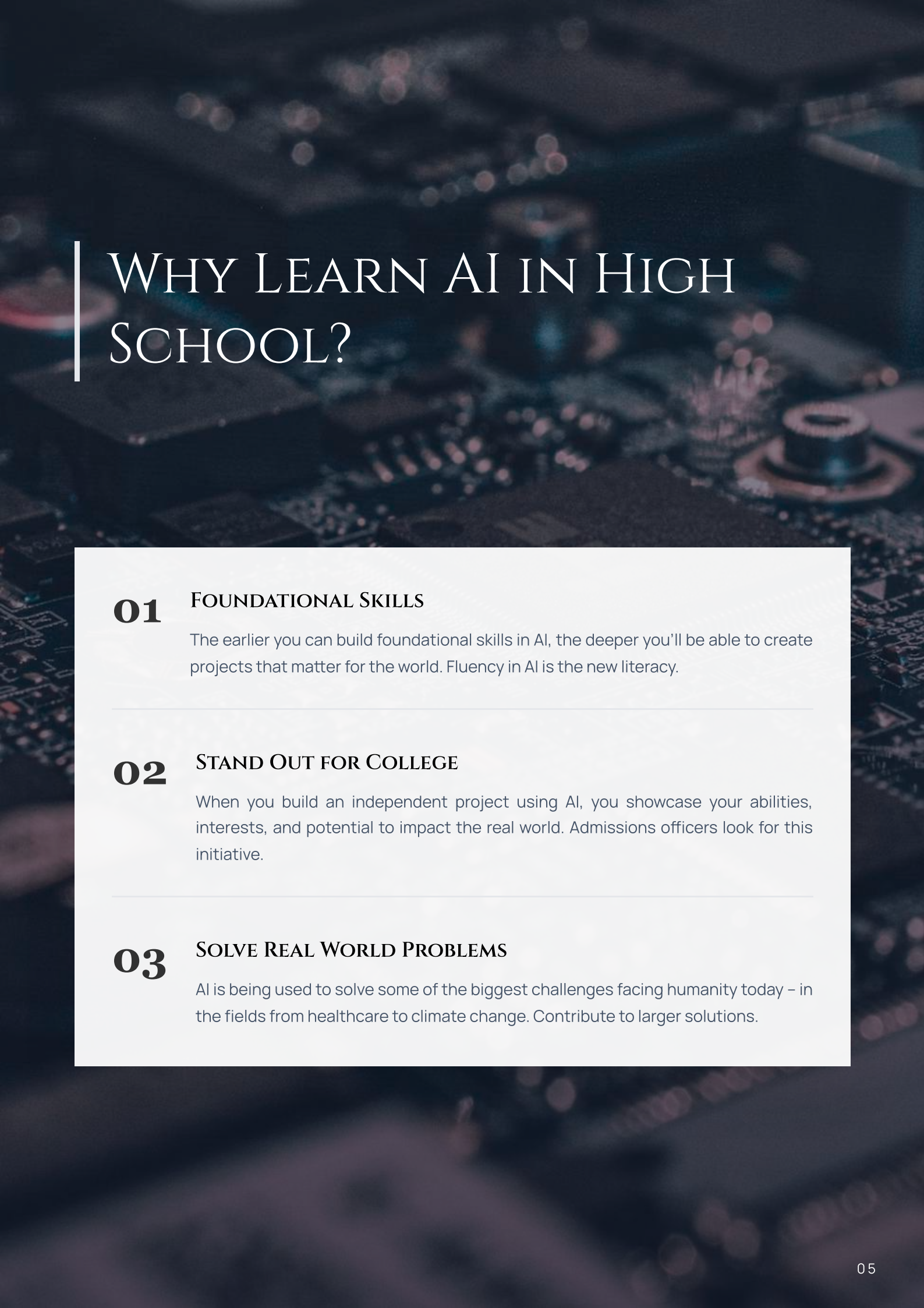
IMPACT PROJECTS

Collaborate with a mentor on a socially impactful AI project and receive guidance on pursuing AI careers and ventures.



COLLEGE PREP

Prepare for college applications through experiential workshops.



WHY LEARN AI IN HIGH SCHOOL?

01 FOUNDATIONAL SKILLS

The earlier you can build foundational skills in AI, the deeper you'll be able to create projects that matter for the world. Fluency in AI is the new literacy.

02 STAND OUT FOR COLLEGE

When you build an independent project using AI, you showcase your abilities, interests, and potential to impact the real world. Admissions officers look for this initiative.

03 SOLVE REAL WORLD PROBLEMS

AI is being used to solve some of the biggest challenges facing humanity today – in the fields from healthcare to climate change. Contribute to larger solutions.

HIGH ACHIEVING STUDENTS

Record-Breaking Acceptances in the Global Arena

During the 2025-2026 Early Action & Early Decision period, our students made a difference with their artificial intelligence projects and received acceptances from the world's most prestigious universities.

USA (IVY LEAGUE & TOP TIER)

Harvard	2	Stanford	2
Yale	1	Columbia	1
Brown	1	Cornell	1
Dartmouth	1	Johns Hopkins	1
Carnegie Mellon	1	Northwestern	3
Univ. of Michigan	2		

UNITED KINGDOM

UCL	8	Imperial College	4
King's College	6	Univ. of Bristol	9
Univ. of Oxford	2	Univ. of Cambridge	1
Univ. of Nottingham	4	Univ. of Warwick	6
Univ. of Birmingham	6	Univ. of Leeds	8
Univ. of Liverpool	7		

10.7x

IVY LEAGUE CHANCE

Students preparing for Ivy League admissions with Boundlearn AI had 10.7 times more chance.

7.9x

TOP 20 ADVANTAGE

Boundlearn graduates had an average of 7.9 times more advantage in being accepted to the world's top 20 universities.

89%

SUCCESS RATE

Across all applications, Boundlearn graduates achieved an overall acceptance success rate of 89%.

GLOBAL IMPACT

We bring the most recent developments in AI from courses and labs in Silicon Valley to empower high school students globally.

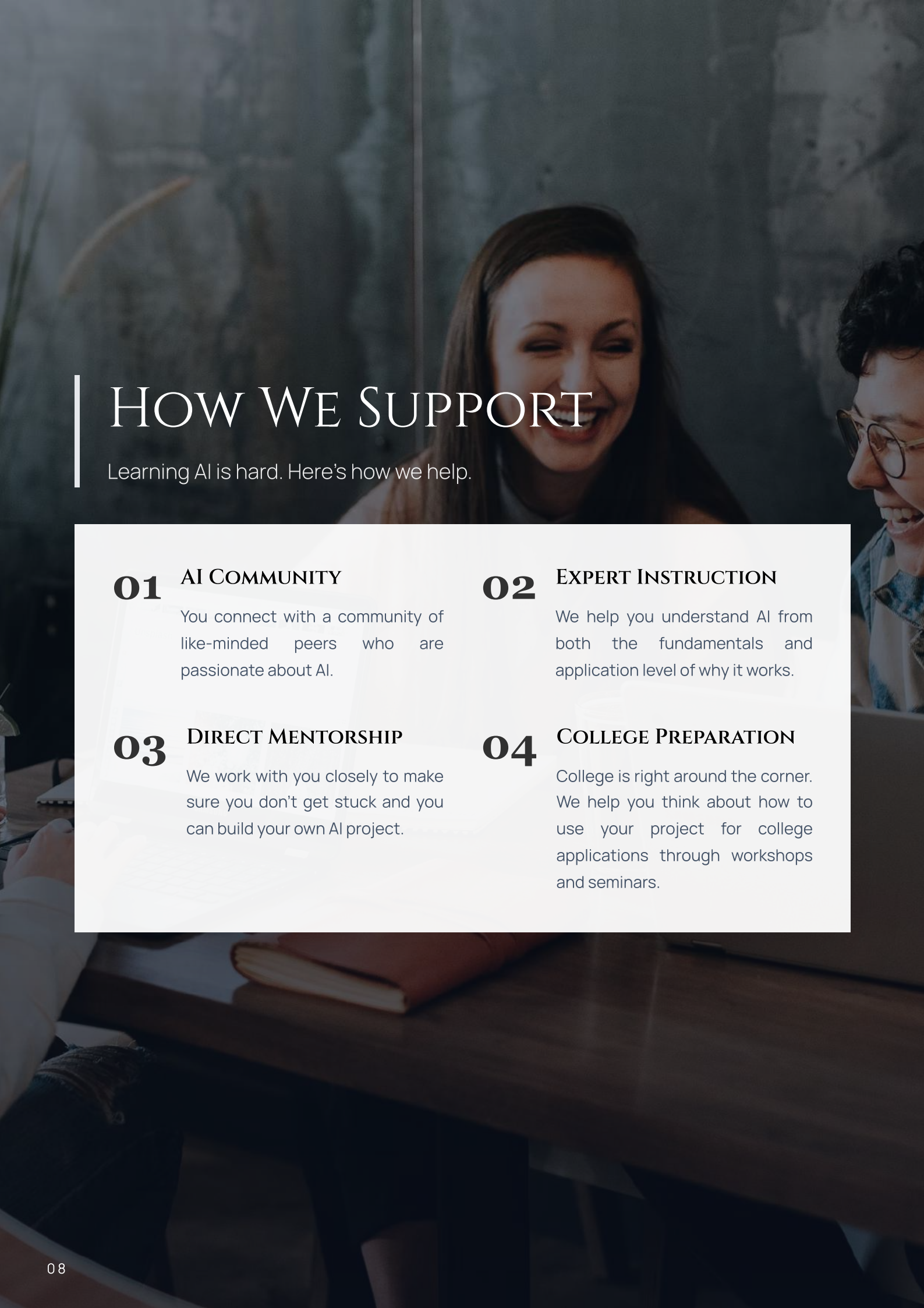
Our project-based programs have reached thousands of students in over 40 countries.



850+
PARTICIPANTS

100+
MENTORS

40+
COUNTRIES



HOW WE SUPPORT

Learning AI is hard. Here's how we help.

01 AI COMMUNITY

You connect with a community of like-minded peers who are passionate about AI.

02 EXPERT INSTRUCTION

We help you understand AI from both the fundamentals and application level of why it works.

03 DIRECT MENTORSHIP

We work with you closely to make sure you don't get stuck and you can build your own AI project.

04 COLLEGE PREPARATION

College is right around the corner. We help you think about how to use your project for college applications through workshops and seminars.

MEET OUR TEAM

Academic Excellence. Industry Experience. Passion.



JENNIFER ASTLEY OXFORD UNIVERSITY

PhD in Molecular and Cellular Medicine

"I've really enjoyed being a mentor for Boundlearn. It is such a privilege to be a part of developing the next generation of AI specialist."

STANFORD UNIVERSITY SOY CHOI

PhD in Mechanical Engineering

"Mentoring students with Boundlearn AI has been an essential part of my teaching journey."



EMMA BESIER HARVARD UNIVERSITY

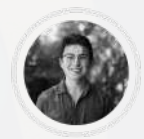
M.E. in Computational Science and Engineering

"Boundlearn AI empowers students to solve real-world problems using modern methods in machine learning."

YALE UNIVERSITY JONAS KATONA

PhD in Applied Mathematics

"Through Boundlearn AI, I've worked with outstanding students on projects comparable to those in undergraduate machine learning courses."



START YOUR JOURNEY

Core AI Programmes

"Core AI programs are designed with flexibility to fit students' existing schedules while learning fundamental AI concepts."

	AI SPRINT	AI FOUNDATIONS	AI BUILDER
ABOUT THE PROGRAM	Kick start your AI journey in flexible program.	Learn from AI experts about key concepts in AI and build a guided project.	Develop an independent AI project under the mentorship of an AI expert.
DURATION	2 weeks (25 hours)	10 weeks (25 hours)	12-15 weeks
STRUCTURE	Section lectures for 1.5 hours and group session with a 5:1 student to mentor ratio for 1 hour (total: 2.5 hours)	Section lectures for 1.5 hours and group session with a 5:1 student to mentor ratio for 1 hour (total: 2.5 hours)	1-on-1 sessions with a mentor who is an AI practitioner or researcher!
PRE-REQS	None	None	Basic understanding of Python or completion of AI Foundations or Sprint required.
OUTCOME	A group project and mentor evaluation	A group project and mentor evaluation	A novel AI model in a field of your interest, & a personalized mentor evaluation.
DATES	• May 11 • June 1, 8, 15, 29 • July 13 • August 3 • December 21	• March 15 • May 17 • July 19 • September 13 • December 13	• March 15 • June 7 • July 12 • September 13 • December 13

AI Specialization Programmes

"These specializations are designed for students who want to apply AI to specific high-impact industries."

	AI+ MEDICINE	AI+ FINANCE
ABOUT THE PROGRAM	Curated to help students engage in specialized learning of how AI is transforming medicine and the healthcare industry. Students get a chance to build real world, impactful group projects.	Curated to help students engage in specialized learning of how AI is transforming financial markets. Students get a chance to build real world, impactful group projects.
DURATION	10 weeks (25 hours)	10 weeks (25 hours)
STRUCTURE	Section lectures for 1.5 hours and group session with a 5:1 student to mentor ratio for 1 hour (total: 2.5 hours per session).	Section lectures for 1.5 hours and group session with a 5:1 student to mentor ratio for 1 hour (total: 2.5 hours per session).
PRE-REQS	Basic understanding of Python or completion of AI Foundations or Sprint required.	Basic understanding of Python or completion of AI Foundations or Sprint required.
OUTCOME	A group project and mentor evaluation	A group project and mentor evaluation
DATES	• March 15 • June 7 • September 20 • December 13	• March 15 • June 7 • July 20 • September 20 • December 13

AI SPRINT

2 WEEKS • 25 HOURS

An intensive 2-week deep dive into Artificial Intelligence. Master the fundamentals of Python and Machine Learning through daily immersive sessions. Build a guided project under expert mentorship!

Week 1: Fundamentals

Dive straight into Python programming and Data Science. You will cover essential Machine Learning concepts including Regression and Classification to understand how machines learn from data.

Week 2: Advanced Topics

Explore advanced topics like Neural Networks, Natural Language Processing (NLP), and Deep Learning. You will apply your knowledge immediately to solve real-world problems.

Project Work

Collaborate with peers to build a group project using real-world datasets. Present your findings to your mentor and cohort at the end of the sprint.

PROGRAM HIGHLIGHTS

- 2 week intensive bootcamp
- Daily sessions (Mon-Fri)
- Fast-paced curriculum
- Guided AI project
- Conducted entirely online

START DATES

May 11

June 1, 8, 15, 29

July 13

August 3

December 21

AI SPRINT PROGRAM STRUCTURE

10-Session Curriculum

01 INTRO TO DATA SCIENCE

Exploratory Data Analysis (EDA), Python basics, and understanding datasets.

02 LINEAR REGRESSION

Training & Testing models, understanding relationships in data.

03 POLYNOMIAL REGRESSION

Handling complex data patterns, overfitting, and hyperparameter tuning.

04 LOGISTIC REGRESSION

Binary classification fundamentals and probability estimation.

05 NEURAL NETWORKS I

Fundamentals of Neural Networks for Regression tasks.

06 NEURAL NETWORKS II

Tuning Neural Networks for Classification problems.

07 CONVOLUTIONAL NEURAL NETWORKS

Introduction to CNNs for image recognition and processing.

08 ADVANCED TOPICS

Improving CNNs: Regularization techniques and Transfer Learning.

09 ETHICS IN AI

Bias, fairness, and the societal impact of artificial intelligence.

10 PROJECT WORK

Final group project development, presentation, and mentor review.

AI FOUNDATIONS

10 WEEKS • 25 HOURS

Learn the fundamentals of Python and key concepts in Machine Learning and Artificial Intelligence. This 10-week weekend program is designed to fit your school schedule while building a strong foundation!

Weeks 1 & 2: Foundations

Build a foundation in Python applied to AI and understand how to execute a data science project. You will learn the basics of coding and data manipulation.

Weeks 3 - 5: Key Concepts

Receive an introduction to key topics in AI - including regression, neural networks, and natural language processing. You will start building simple models.

Weeks 6 - 10: Deep Dive

Deep dive into complex topics which includes Image Classification, Neural Networks, Deep Learning, NLP & Language Processing, and Sentiment Analysis. You will also explore why AI Ethics matter and complete your group project.

PROGRAM HIGHLIGHTS

- 10 week weekend program
- Learn the fundamentals
- Explore a variety of AI applications
- AI project with a mentor
- Conducted entirely online

START DATES

March 15

May 17

July 19

September 13

December 13

AI FOUNDATIONS PROGRAM STRUCTURE

10-Week Curriculum

01 WEEKS 1 - 2

Build a foundation in python and AI and learn how to execute a data science project.

02 WEEKS 3 - 5

Receive an introduction to key topics in AI - including regression, neural networks, and natural language processing.

03 WEEKS 6 - 10

- Image Classification
- Deep Learning
- Sentiment Analysis
- Neural Networks
- NLP & Language Processing
- Why AI Ethics Matter

AI BUILDER

12-15 WEEKS • 1-1 PROGRAM

Create a novel AI project independently with 1-1 mentorship over 12-15 weeks. Showcase what you're passionate about with an individual project.

Phase 1: Exploration & Learning Phase

Learn the key concepts in the fields you're curious about including identifying the question of interest and the required machine learning model.

Phase 2: Ideation & Data Exploration

Being analysis of the data and work with your mentor to assess the feasibility of the project and the resources available.

Phase 3: Execution Phase

Work on creating your end project. Use 1-1 time with your mentor to troubleshoot any problems you face with your code and build further on your ideas. At the end of the program, you get a chance to present your project to your peers.

Phase 4: Publication Phase

Work with our publication team to submit your work to a publication, science competition, or tech-oriented journal. Showcase your work publicly.

PROGRAM HIGHLIGHTS

- 12-15 weeks of work + 1-4 months of publication submission
- Dig deep into your interests
- Achieve mastery
- Independent AI project at a college level
- Conducted entirely online

START DATES

March 15

June 7

July 12

September 13

December 13

A woman with long dark hair is pointing her right hand towards a whiteboard. The whiteboard is covered with numerous yellow and pink sticky notes. A large, faint checkmark is visible on the whiteboard. The background is slightly blurred, showing a desk with a laptop and other items.

AI BUILDER PROGRAM STRUCTURE

15-Week Curriculum

01 WEEKS 1 - 4: EXPLORATION & LEARNING

Learn the key concepts in fields you're curious about, including identifying the question of interest and the required machine learning model.

02 WEEKS 5 - 8: IDEATION & DATA EXPLORATION

Analyze data and work with your mentor to assess the feasibility of the project and the resources available.

03 WEEKS 9 - 15: EXECUTION

Work on creating your end project. Use 1-1 time with your mentor to troubleshoot any problems you face with your code and build further on your ideas. At the end of the program, you get a chance to present your project to your peers.

AI+ MEDICINE

10 WEEKS • SPECIALIZATION

Curated to help students engage in specialized learning of how AI is transforming medicine and the healthcare industry. Students get a chance to build real world, impactful group projects in the field of AI and medicine.

Interactive Curriculum

You will engage with AI experts, lectures, programming notebooks, and a hands-on project based on the applications of AI in healthcare and medicine.

Healthcare Transformation

Through this course, you will get the opportunity to dive deeper into how AI is transforming healthcare and medicine. You'll work on projects to use AI & ML models to diagnose diseases, sharpen medical scans, and explain their outcomes to aid doctors and patients.

Core Applications

The course is designed to help you understand the applications of AI in genomics, hospital admissions, drug discovery, neuroscience, and more!

PROGRAM HIGHLIGHTS

- Medical Data Analysis & Preprocessing
- Machine Learning Models for Medicine (Regression, CNNs)
- Deep Learning for Medical Imaging
- AI Ethics & Clinical Evaluation
- Final Capstone: Build an AI Medical Model

START DATES

March 15

June 7

September 20

December 13

AI+ MEDICINE PROGRAM STRUCTURE

10-Week Curriculum

01 WEEKS 1 - 2

Introduction to AI and medicine.

02 WEEKS 3 - 5

Receive an introduction to key topics in AI and medicine - including medical data preparation, EDA, Convolutional Neural Networks, and more.

03 WEEKS 6 - 10

- Image Segmentation
- Regularization and Transfer Learning
- Fundamentals of Clinical Evolution
- Deep dive into complex topics

AI+ FINANCE

10 WEEKS • SPECIALIZATION

AI+ Finance is a 10-week course curated for ambitious students interested in the field of AI and finance. You will engage with AI experts, lectures, programming notebooks, and a hands-on project based on the applications of AI in finance.

Market Transformation

Through this course, you will get the opportunity to dive deeper into how AI is transforming financial markets. You'll work on projects to use AI & ML models to predict future financial patterns using past data, forecasting stock prices, and more.

Specialized Learning

Curated to help students engage in specialized learning of how AI is transforming financial markets. Students get a chance to build real world, impactful group projects in the field of AI and finance.

Core Applications

The course is designed to help you understand the applications of predictive modelling in finance, banking, wealth and asset management, and fraud detection.

PROGRAM HIGHLIGHTS

- Financial Data Analysis & Preprocessing
- Machine Learning Models for Finance (Regression, Random Forest)
- Deep Learning for Time Series Forecasting (LSTMs)
- Algorithmic Trading & Portfolio Optimization
- Final Capstone: Build an AI Financial Model

START DATES

March 15

June 7

July 20

September 20

December 13

AI+ FINANCE PROGRAM STRUCTURE

10-Week Curriculum

01

WEEKS 1 - 2

Introduction to AI and Finance.

02

WEEKS 3 - 5

Receive an introduction to key topics in AI and finance - including Exploratory Data Analysis, Regressions, Convolutional Neural Networks, and more.

03

WEEKS 6 - 10

Deep dive into some more complex topics.

FAQ'S

Frequently Asked Questions

Where can I apply?

You can find our application form here:
www.boundlearn.com

Is this online or in-person?

Classes are held online, while class materials are uploaded and available on Google Classroom.

Do we need coding experience?

For AI Sprint and AI Foundation, no previous experience is required! But students need to show a keen interest in AI since the program is quite fast paced.

For the AI+ Medicine, AI+ Finance and AI Builder programs, you will either need to complete the AI Sprint or AI Foundations programs or have had past experience with AI concepts or Python.

Do you offer make-up classes?

We do not offer make-up classes, but students will have access to class recordings in case they are unable to attend a session.

Can I choose my project topic?

For the AI Sprint, AI Foundation, AI+ Medicine and AI+ Finance Programs, project topics are determined through a collaborative process within the small groups. Should your desired topic be selected by another group, we are open to transferring you to that group. For the AI Builder Program, you are able to choose based on your field of interest.

What is the output of the AI Builder Program?

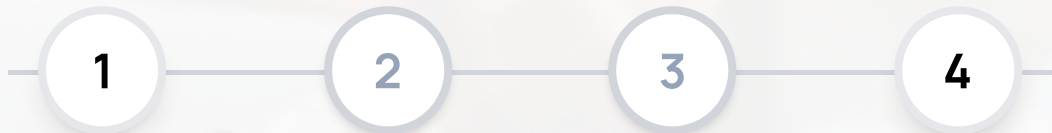
The output is flexible and you can create an app, a software, a research paper, or work on a presentation. If you decide to create a research paper, we also have a publication team who can assist you with improving and submitting your work to journals.

Can you ask your mentor for a letter of recommendation?

Yes! You can definitely ask your mentor for a letter of recommendation. However, it is up to their discretion whether or not they will write it.

APPLICATION PROCESS

Start Your Journey Today



APPLY

Choose your program and apply via online form

2

REVIEW

Wait as the admission team evaluates your application

3

ADMIT

Pay your fees and complete last steps

4

START

Begin your AI Journey

2026 APPLICATION DEADLINES

Spring 2026

- Early: Jan 18, 2026
- Final: Feb 22, 2026

Summer 2026

- Early: Mar 22, 2026
- Regular I: Apr 19, 2026
- Regular II: May 24, 2026
- Summer II: Jun 21, 2026

Fall 2026

- Early: Jul 26, 2026
- Final: Aug 30, 2026

Winter 2026

- Early: Oct 18, 2026
- Final: Nov 29, 2026



APPLY NOW

Scan to apply



Future Starts Here.

WWW.BOUNDEARN.COM

CTR

14.65%

↑ 10.6%

Cost per conversion

673.27

↓ -0.2%

Quality Score

9.38

↓ -0.1%