Artificial Intelligence Careers | INDUSTRY GUIDE

Career Paths and Desired Skills

As artificial intelligence (AI) technology advances, employers in many different industries are now using AI platforms. A UChicago education gives you the tools you need to succeed in the age of AI, including critical thinking, problem-solving, effective communication, and specialized technical skills if needed. The College offers AI opportunities and resources for students interested in both technical and non-technical fields.

FIRST THINGS FIRST

Explore careers, build your AI toolkit, and stay up-to-date on AI programs, events, and internships!

- **Job shadow** with an alum to get a first-hand look at roles like AI Strategy Analyst, AI Implementation Consultant, and ML Engineer.
  - **Winter Break Job Shadowing (Dec. 15 - 19):** Apply by November 10. **Spring Break Job Shadowing (Mar. 16-20):** Apply by February 17
- **Apply for a career trek** to meet employers, build your network, and learn about career paths in this growing field.
  - **Spring Break Tech and AI Trek to San Francisco (March 16-20):** Applications open in December, apply by January 20
- **Explore the Jeff Metcalf Internship Program** to find paid, substantive internships with employers such as OpenAI, Meta, Accenture, and more!
- **Sign up for Career Advancement's industry newsletters** to get regular updates on AI opportunities in your area of interest.
- **To subscribe to Career Advancement's events calendar**, copy this calendar feed URL and add to any calendar application.

BUILD AND DEPLOY AI TOOLS

Participate in a workshop series and courses to learn key skills and gain a hands-on experience integrating or developing AI.

AI Integration Program

Students will identify a problem or inefficiency that could be improved or automated through AI. Over the course of the 4 workshops, students will learn how to map an AI workflow and then use technical tools to build it. The program will culminate in a demo day showcase.

- **Open to 2nd Years in any major, no technical experience required. l Applications close November 16.**

AI Development Program

In collaboration with the Data Science Institute, students will complete 4 workshops to build skills required for technical AI roles. They will gain experience leveraging foundational models and learn to handle issues around hallucinations, operational guardrails, and AI-human interactions.

- **Open to 2nd and 3rd Years. Technical experience required. l Applications close January 4.**

IBM SkillsBuild Program

UChicago students have full access to IBM's SkillsBuild AI Campus Platform which includes on-demand classes and live sessions with employers. Learn to build a chatbot, discuss ethical considerations of AI, and hear from top companies like L'Oreal and the NBA about how they are using AI

- **Open to all College students. l Register with your UChicago email and activation code IBMCHICAGO anytime!**

CONNECT AI TO INDUSTRIES

Learn how to apply AI technologies and tools in a specific industry.

AI In Finance

Participants will explore AI applications for trading careers. This program will have two separate cohorts to provide participants with personalized training depending on whether students have more experience in AI/technology or finance and trading. **Learn more.**

- **Open to all class years, basic Python experience required for technical cohort l Applications close Dec. 22**

AI Industry Challenges

These weekend-long, team-based challenges will task students with developing an AI-driven solution to a discipline-specific problem. Two competitions will be offered, one focused on robotics and another on molecular engineering.

- **Open to all class years and majors. l Applications open in Winter Quarter**

AI & The Humanities Fireside Chat

Join Anantha Kancherla, former VP of Autonomous Vehicles at GM and Head of AI Platform (Meta), and MAD Senior Instructional Professor, Jon Satrom for a conversation about the skills needed to succeed in AI careers and the role the Humanities play in preparing students for this work.

- **Open to all class years and majors. l Register here for the Nov. 11 event.**

PUT AI INTO PRACTICE

Implement your skills, solve real-world challenges, and get ready to secure top jobs in AI!

AI in Asia Summer Internship Immersion

Students will complete a funded summer internship in Hong Kong, Beijing, Shenzhen, or other major metropolitan hub in Asia. Opportunities include AI roles in business, finance, tech, and startups with employers such as Oracle, Bank of China, Tencent, and Hanson Robotics.

- **Open to 1st, 2nd, and 3rd Years. l Applications close November 30.**

UChicago AI Vibe Coding Hackathon

This weekend-long event will challenge teams to develop and pitch an AI project in one of four industry areas. Students will engage in training workshops before competition weekend to learn key tools to develop their ideas. Event will have technical and non-technical tracks.

- **Open to all class years and majors. l Sign up by Nov. 14 l Hackathon dates: January 23-25.**

Technical Interview Prep Program

Students can sign-up for hour-long technical practice interviews to get recruiting ready! Our team of practice interviewers includes graduate-level computer science students with experience at Citi, Amazon, Meta, Google, Microsoft, Qualcomm, and more!

- **Open to all College students. l Sign up here any time!**

WHICH AI SKILLS DO I NEED?

Use the tiers below for a general guide to AI skill requirements by job type. For information about AI competencies required for your specific career interests, reach out to your career adviser.

Tier 1: AI Fluency (All Jobs)
- **Key Skills:** Use AI tools and integrate them into your workflow
- **Helpful Resources:** AI Integration Program, IBM SkillsBuild

Tier 2: AI-Enhanced Integration (Strategy, Analyst, and Management Roles)
- **Key Skills:** Evaluate AI tools, design workflows that incorporate them, and translate AI outputs into strategic decisions
- **Helpful Resources:** AI Integration Program, AI in Finance, AI Industry Challenges, AI Hackathon

Tier 3: AI Creation and Innovation (Technical Roles)
- **Key Skills:** Design, build, and improve AI systems with deep technical training in machine learning, data science, and algorithmic thinking
- **Helpful Resources**: AI Development Program, AI Hackathon, Technical Interview Prep Program

AI EMPLOYER PARTNERS

Career Advancement connects students with employers across industries and around the globe for internships and jobs in AI!

Foundational AI & Big Tech
Amazon
Anthropic
IBM
FPT Software
Google
Meta
Microsoft
Open AI
Oracle
NVIDIA
Salesforce

AI Infrastructure & Computing
Anysphere
ASLM
Cerebras
CoreWeave
Databricks
Groq
Hammerspace
Lambda
Scale AI

Climate & Energy
Aurora Solar
CarbonBright
ClimateAI
Energize.ai
Jupiter Intelligence
OhmConnect
Watershed

Consulting
Accenture
Bain & Company
Boston Consulting Group
Capgemini
Deloitte
EY
McKinsey & Co.
PwC
RAND Worldwide

Enterprise AI & Security
Alta.ai
C3.ai
Darktrace
Palantir Technologies
Securiti.ai
Snowflake

Financial Services
Citadel
DRW
Goldman Sachs
JPMorgan Chase
Millennium Management
Stripe
TwoSigma

Law
Baker McKenzie
Casetext
Clio
Everlaw
Harvey
Ironclad
LexisNexis
Sidley Austin

Life Sciences
Abbvie
Benchling
Insilico Medicine
Genentech
Genesis Molecular AI
Prellis Biologics
Recursion Pharmaceuticals
Tempus AI

Linguistics
DeepL
Duolingo
Grammerly
Lilt
Reverso
Wordtune

Quantum
Alice & Bob
Applied Materials
Atlantic Quantum
Infleqtion
PSIQuantum
Quantinuum

Research Institutions
Allen Institute for AI
Argonne National Laboratory
Fermi National Accelerator Laboratory
Max Planck Institute for Intelligent Systems
MITRE
Sandia National Lab
Jiao Tong University Robotics Lab
Institute of AI at Donghua University

Robotics & Hardware
Agility Robotics
AtonArp
Boston Dynamics
JAKA Robotics
Covarient
Oversonic Robotics
Paragraf
Universal Robots

Startups & Venture
Applied Ventures
Arbol
Endex
Homie
Hum Capital
LawBandit
Sylvia.ai
Techstars
YCombinator