AI Readiness in the Early-Career Labor Market

Emerging Labor Market Signals for University Career Centers

Analysis of U.S. Job Posting Trends, January 2025 - March 2026

Prepared by **FrogHire.ai**
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AI-mentioned postings	Entry-level AI postings	All-posting AI share	Required share among AI
2.62M	**233,035**	**19.11%**	**75.66%**
Jan 2025-Mar 2026	Jan 2025-Mar 2026	2026 Q1	2026 Q1

Executive Summary

Specialized technical roles are no longer the sole users of artificial intelligence. AI-related skills have increasingly become an integral part of early-career hiring, spanning positions in software engineering, data analytics, product management, marketing, business operations, IT, sales, finance, HR, and selected healthcare functions.

Using FrogHire.ai labor market data, we analyzed **20,703,963 job postings published between January 2025 and March 2026**. Among these postings, 2,616,339 referenced at least one AI-related skill (12.64% of all postings). Furthermore, within entry-level hiring, 233,035 postings included AI-related skills, accounting for 9.88% of entry-level opportunities.

The pace of AI adoption accelerated significantly in Q1 2026. **AI-skill requirements across all job postings increased from 9.33% in Q1 2025 to 19.11% in Q1 2026**. Among entry-level postings, such requirements rose from 8.34% to 13.78% during the same period.

Our findings clearly indicate that AI capabilities are increasingly shifting from “preferred” qualifications to explicit job requirements. Among postings that referenced AI skills, **AI as a *required qualification* increased from 45.03% in Q1 2025 to 75.66% in Q1 2026**.

Implications for Career Services Leaders

While it is not necessary for students to position themselves as AI experts for every role, employers increasingly expect graduates to demonstrate the ability to use AI tools responsibly and effectively to support real workplace outcomes. This includes tasks such as **analysis, coding, workflow automation, reporting, documentation, content development, customer communication, model evaluation, and decision support**.

For career services professionals, the emerging priority is not simply AI literacy, but workforce readiness: helping students communicate how they can apply AI productively, ethically, and within the context of their chosen field.

Key Findings

1. **AI readiness is now an early-career workforce issue.**
Between January 2025 and March 2026, FrogHire.ai identified **233,035 entry-level job postings** that referenced AI-related skills. AI expectations are **increasingly appearing at the start of the career pipeline**, not just in experienced or highly technical roles.

2. **Employer demand accelerated sharply in Q1 2026.**
AI-skill requirements across all job postings increased from **9.33% in Q1 2025 to 19.11% in Q1 2026**. Among entry-level postings, the requirement rose from **8.34% to 13.78%**, signaling rapid expansion of AI expectations in graduate hiring.

3. **AI skills are increasingly becoming required qualifications.**
Among postings that mentioned AI-related skills, AI as a required qualification increased from **45.03% in Q1 2025 to 75.66% in Q1 2026**. Employers are moving beyond exploratory interest toward operational expectations regardless of career level.

4. **The opportunity is broader than "AI jobs."**
AI-related language now appears across a **wide range of functions**, including software, data, product, marketing, IT, business operations, sales, finance, HR, and selected healthcare roles. The most valuable student positioning is often not **"AI specialist," but "AI-enabled contributor."**

5. **Career centers can make AI readiness tangible and practical.**
The strongest evidence of AI readiness is not a certification alone, but a **role-relevant work sample** that demonstrates how a student applied AI tools alongside **human judgment, quality control, and measurable outcomes. Employers increasingly value practical application, not merely theoretical familiarity.**

Data Sources and Methodology

Evidence stream	Source	Coverage	Used in this report
Job posting evidence	FrogHire.ai proprietary job posting database	January 2025 through May 2026 available data; trend analyses emphasizes 2025 Q1 through 2026 Q1.	AI skill penetration, entry-level AI mentions, job function split, location split, required/preferred skills, and job description wording.
External labor-market evidence	BLS CPS, CES, JOLTS, OEWS, ORS, Employment Projections; O*NET 30.2 Skills, Work Activities, Technology Skills.	Current public labor-market data (source report as of May 19, 2026).	Macro hiring context, early-talent unemployment, industry friction, establishment-size hiring dynamics, occupational employment, wages, growth, and AI/digital readiness.

Important limitation: The FrogHire.ai JD fields used here **do not contain reliable industry or company-size fields**. This report therefore **does not claim which industries or company-size bands require AI most often**.

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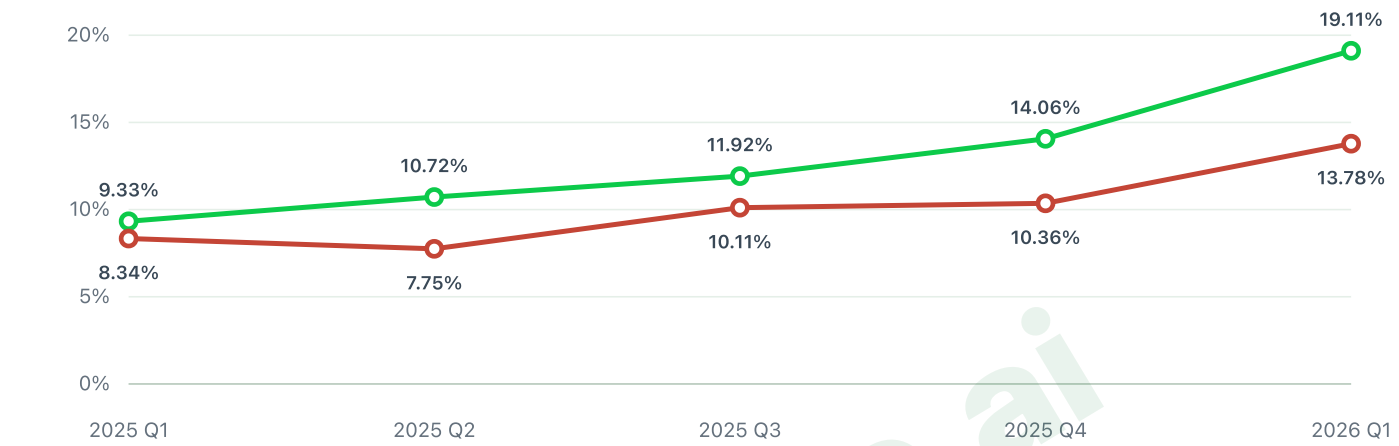
1. AI Skill Penetration and Quarterly Trend

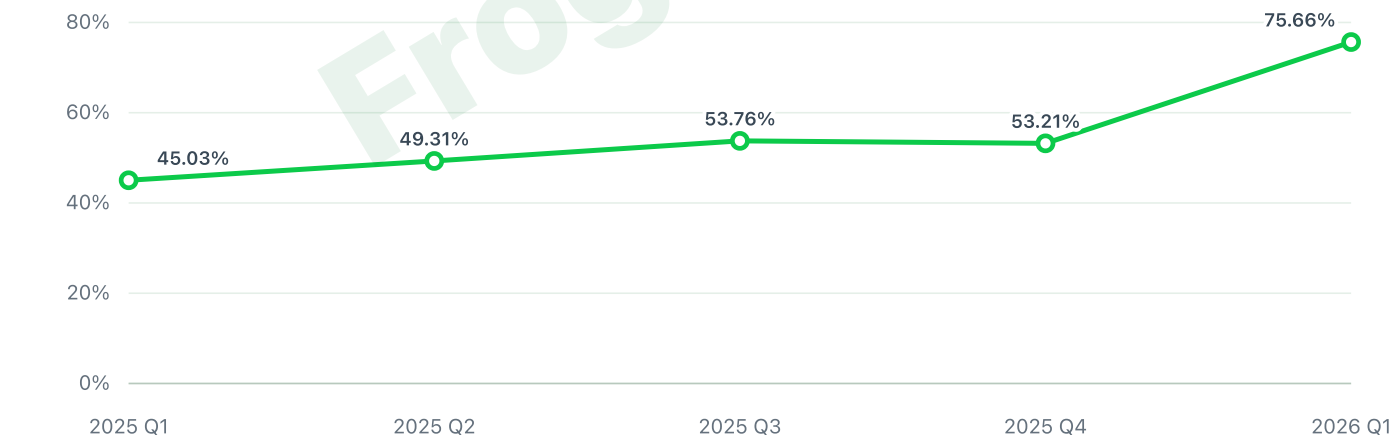
AI Skill Penetration Rose Sharply in 2026 Q1

Share of all postings and entry-level postings mentioning at least one AI-related skill.



AI Is Moving from Optional to Required

Required share among AI-mentioned postings increased from 45.03% to 75.66%.



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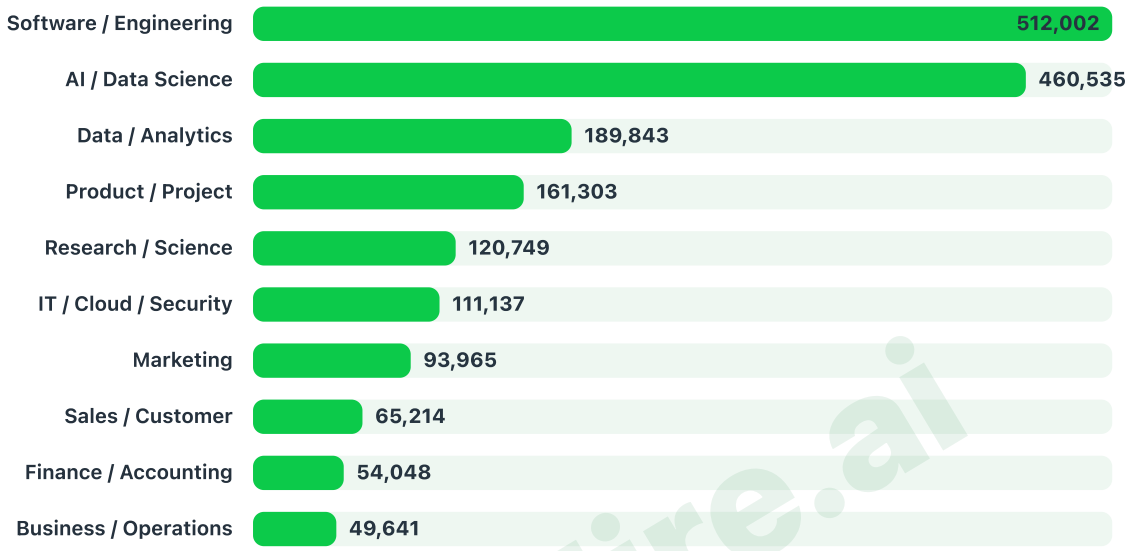
2. Where AI Is Showing Up

AI-Mentioned Postings by Job Function

Mapped job functions, January 2025-May 2026 available data. Other / Unclassified is excluded because titles could not be mapped reliably.



For career advisors, the important point is that AI readiness is not only a computer science issue. It is increasingly relevant to students pursuing business, marketing, product, operations, data, finance, HR, and customer-facing roles.

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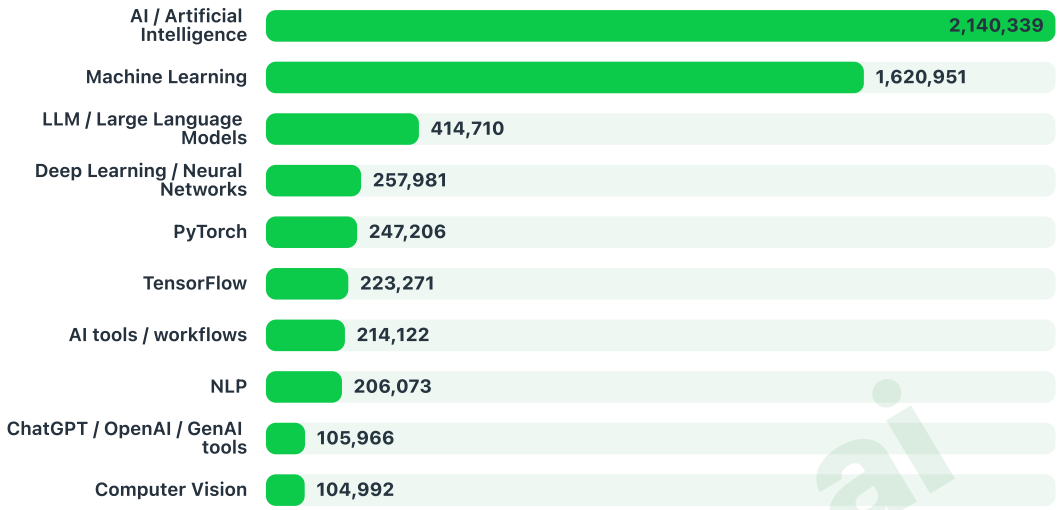
3. AI Skills: What Employers Are Naming

Most Common AI Skill Categories

All AI skill mentions in FrogHire.ai available data.



What this means for advising: Technical AI and machine learning remain important, but GenAI and workflow language is growing quickly. Students in non-technical majors can still build relevant AI evidence by showing how they use AI tools to complete role-specific work.

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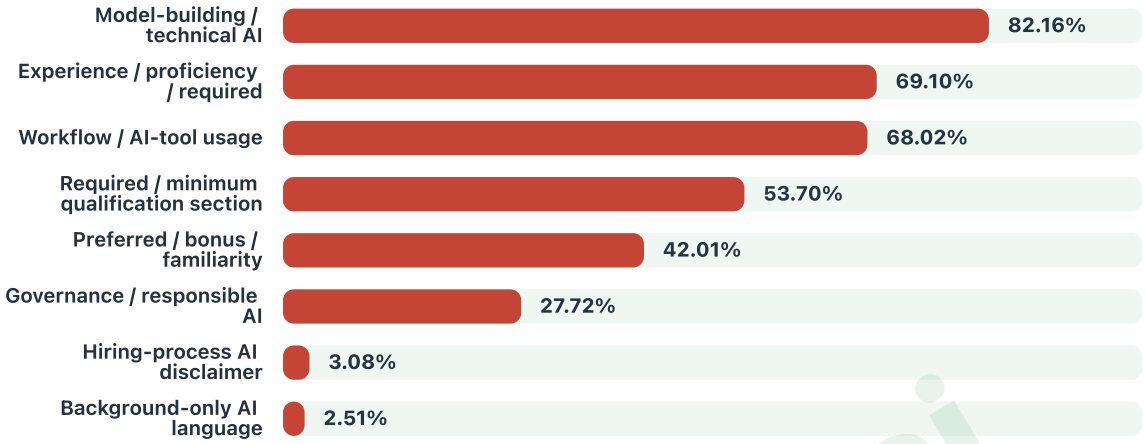
4. How Employers Describe AI in JDs

AI Wording in Job Descriptions

Sample of 320,510 AI-skill postings with JD text. Categories overlap.



Employers are not simply saying "AI" or "ChatGPT." They often describe AI as experience, proficiency, workflow usage, model-building ability, or a required/minimum qualification. That gives advisors a useful way to coach students: translate AI exposure into examples of work students can explain.

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5. Geography: Volume and Intensity

AI Posting Volume by Location

California is the largest AI volume hub; Washington has the highest AI share among large-volume locations in this table.

Volume hubs

California, Texas, and New York have the largest numbers of AI-mentioned postings.

Intensity hubs

Washington, California, DC, Virginia, Massachusetts, and New York show stronger AI concentration among large posting-volume locations.

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6. What Career Centers Can Do

The goal is not to turn every student into an AI engineer. The goal is to help students explain how they use AI responsibly in the work they hope to do.

Student career goal	What advisors can help students show	Simple portfolio evidence
Software / Engineering	Can use AI to support coding, debugging, testing, API work, and code review.	A small project repo with notes on what AI helped with and what the student verified manually.
Data / Analytics	Can use AI to support data cleaning, SQL/Python analysis, visualization, and interpretation.	A dashboard or notebook with a short explanation of data source, method, and quality checks.
Product / Project	Can use AI to synthesize research, draft requirements, organize priorities, and communicate tradeoffs.	A product brief, user research summary, or project plan with AI-assisted research notes.
Business / Operations	Can use AI to improve workflows, reporting, spreadsheet analysis, and process documentation.	An automation example, reporting template, or before/after workflow map.
Marketing / Sales / Customer	Can use AI to support content, campaign research, CRM workflows, customer messaging, and human review.	A campaign sample, customer response workflow, or content calendar showing revision and judgment.
Finance / Accounting	Can use AI to support reporting, forecasting, documentation, and accuracy checks.	A financial analysis or reporting sample with assumptions, validation steps, and limitations.
Healthcare / HR	Can use AI-aware digital tools carefully, with attention to documentation, privacy, fairness, and compliance.	A workflow reflection or case example focused on responsible use and quality control.

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