UMD-LinkUp AIMaps
In collaboration with Outrigger Group
Tracking where AI jobs are being created

UNIVERSITY OF MARYLAND
ROBERT H. SMITH
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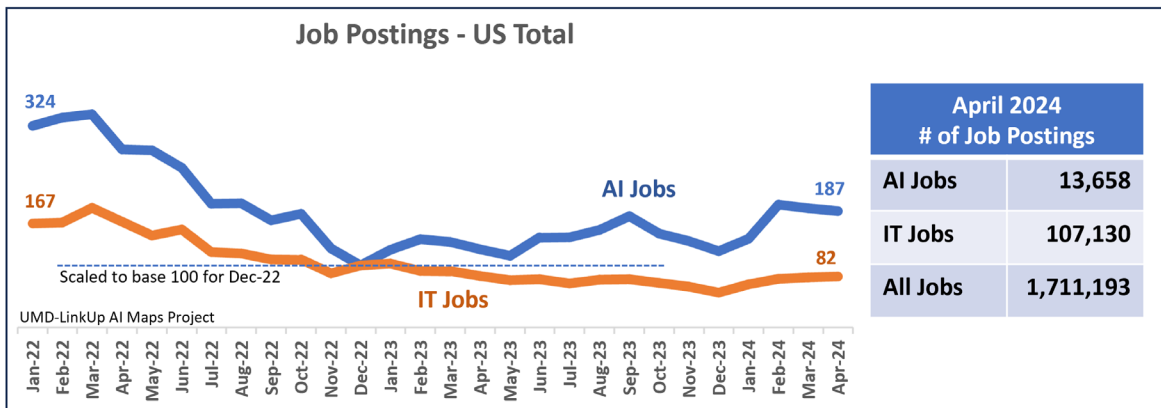
LinkUp
JOB MARKET DATA

AI JOBS CREATION
Monthly Update (April 2024)

Headline News:

- **April 2024 saw a 2.6% MOM decline in AI job postings relative to March 2024 but a hefty 48.4% YOY growth relative to April 2023.**

- **Washington state continues its strong recovery with 9.0% share in April 2024 of all US AI job postings vs. 8.1% in Q1-2024 and 5.0% for CY 2023. In CY 2018, the state's share was 12.6%, though on a far smaller base of national AI jobs.**

Job Postings - US Total

324 ... 187 AI Jobs
167 ... 82 IT Jobs

Scaled to base 100 for Dec-22
UMD-LinkUp AI Maps Project

Jan-22 ... Apr-24

	April 2024 # of Job Postings
AI Jobs	13,658
IT Jobs	107,130
All Jobs	1,711,193

Trends Over Time:

New AI Job Postings in Apr-2024	vs Average for Jan-Mar 2024	vs Average for Oct-Dec 2023	vs Apr-2023
13,658	+ 5.5%	+ 36.0%	+ 48.4%

Major States/Regions:

Share of AI Job Postings	State/Region					
	CA	DC-MD-VA	NY-NJ	TX	WA	New England
Apr-2024	19.7%	10.9%	10.9%	8.4%	9.0%	6.2%
Q1-2024	20.5%	11.7%	10.4%	8.1%	8.1%	6.6%
CY 2023	19.0%	12.6%	10.6%	8.5%	5.0%	7.2%

These states/regions had a combined 65.1% share of AI job postings for April 2024.

Team
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Methodology

The term "AI Job" refers to a job posting that requires AI skills. We use a fine-tuned large language model (LLM), powered by cutting-edge AI technologies, to differentiate jobs requiring AI skills from others. When compared against manual checks by multiple AI researchers, this LLM approach has an accuracy above 90%. In contrast, a keywords-dictionary based approach has a < 50% accuracy-level when compared against manual checks. We exclude jobs that would be based outside the U.S.

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