

EMERGING TECH RESEARCH

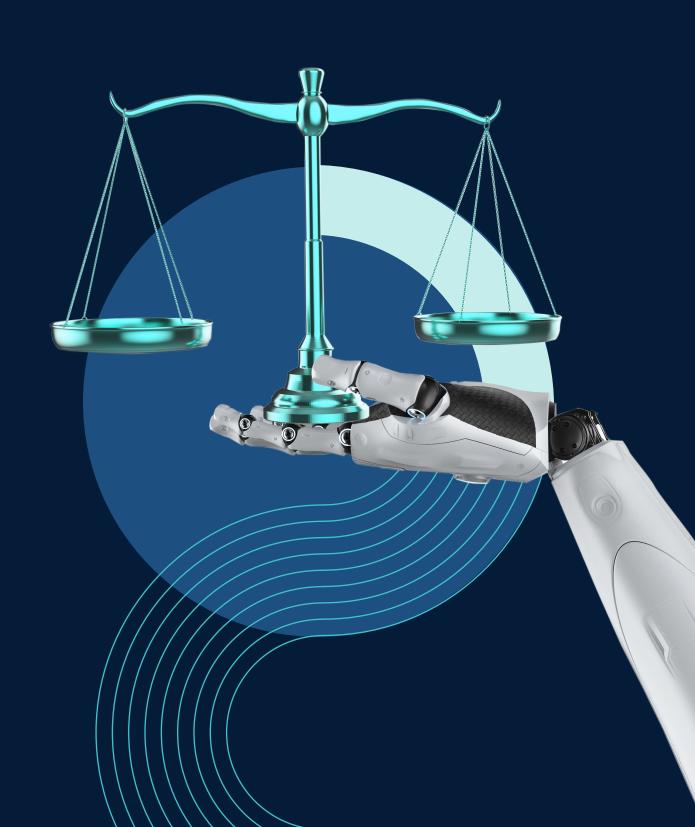
Artificial Intelligence & Machine Learning Report

VC trends and emerging opportunities



REPORT PREVIEW

The full report is available through the PitchBook Platform.





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We are adding PitchBook Exit Predictor probabilities to our Emerging Technology Research reports. PitchBook's proprietary <u>VC Exit Predictor</u> estimates the probability that a startup, or VC-backed company, will successfully IPO, be acquired, or merge. The tool is available exclusively to PitchBook subscribers.

Institutional Research Group

Analysis



Brendan Burke Senior Analyst, Emerging Technology brendan.burke@pitchbook.com pbinstitutionalresearch@pitchbook.com

Data

Matthew Nacionales Data Analyst

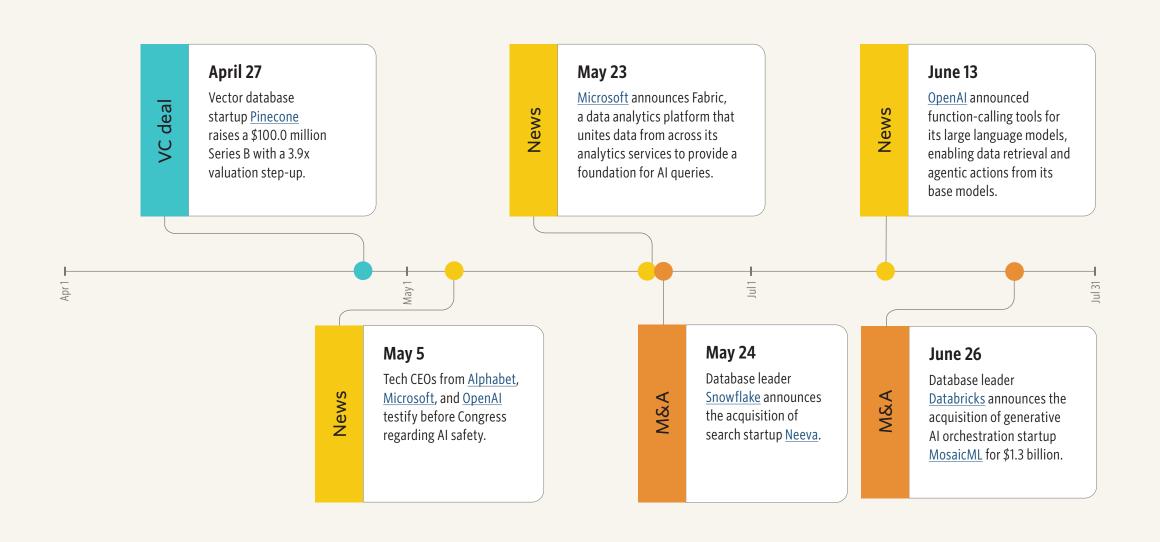
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Q2 2023 timeline



Q2 VC activity

1,365 total deals

\$19.4B

total VC raised

-5.5% deal value growth QoQ

2023 YTD summary

2,809 total deals

\$39.5B

total VC raised

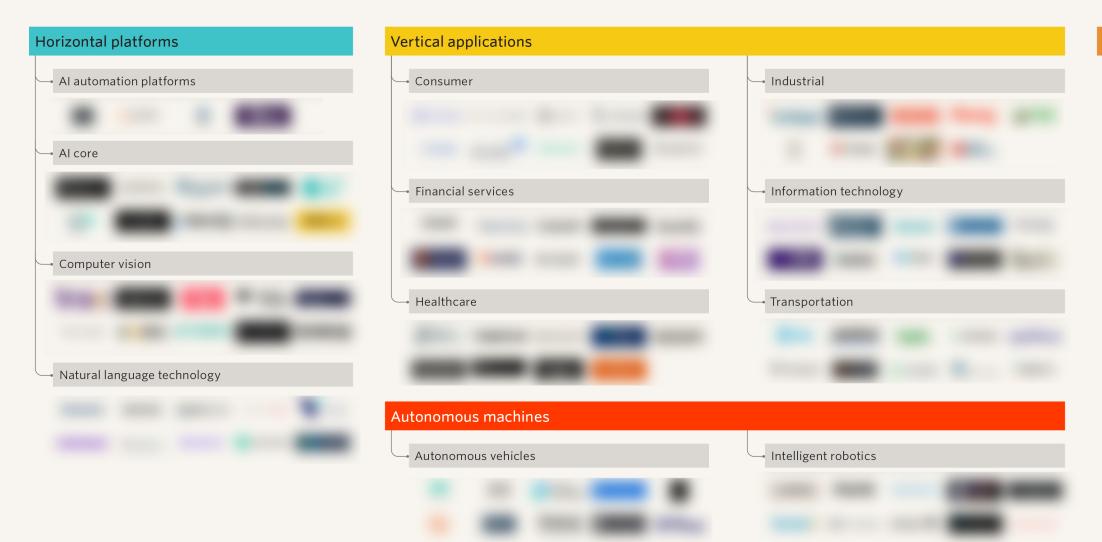
-30.3% deal value growth YoY





AI & ML VC ecosystem market map

Market map is a representative overview of venture-backed or growth-stage providers in each segment. Companies listed have received venture capital or other notable private investments.



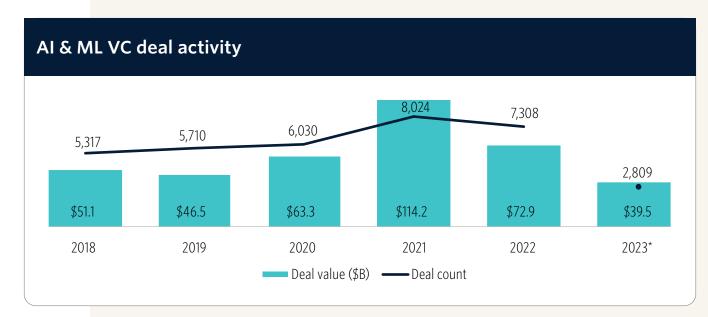




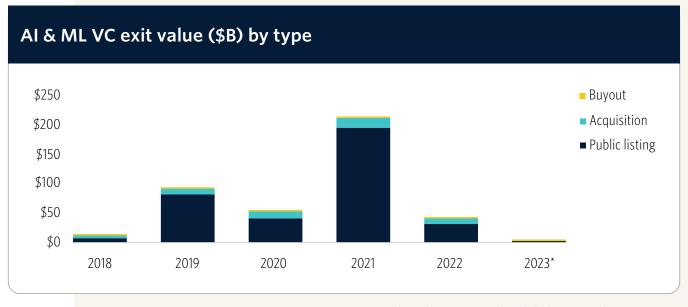
VC activity

VC deal activity rebounded in Q2 with \$19.4 billion invested after Q1's low deal value (apart from an outlier deal from OpenAI). We began tracking Stripe as an AI company based on its integration of GPT-4 and internal usage of AI, which drove deal value higher with a \$6.9 billion venture-growth investment. Beyond Stripe's outlier deal, OpenAI's momentum benefited foundation model startups, spurring megadeals for Inflection, Anthropic, Cohere, Runway, and Mistral AI. Inflection closed the largest early-stage deal we have tracked for an AI horizontal platform company, raising \$1.3 billion primarily to build a computing cluster for personalized AI foundation models. Vertical application funding remained tepid, with healthcare funding continuing to decline and IT applications barely crossing \$1.0 billion in funding. Hardware funding has continued to set lows since the start of the COVID-19 pandemic across autonomous vehicles, semiconductors, and robotics, with a notable exception in photonic computing startup Lightmatter's \$153.3 million Series C. Participation of strategic investors in foundation model deals can drive VC deal values going forward.

VC exit value continues to scrape the bottom of the barrel, yet Q2 offered positive signs of a generative AI acquisition trend. Database leaders Snowflake and Databricks announced major acquisitions. We believe Snowflake paid around \$150.0 million for Neeva, though an exact deal value was not disclosed. Databricks pre-empted a VC round for MosaicML with a \$1.3 billion acquisition offer that integrates cost-effective, open-source foundation models with the company's data management platform. Major IPOs continued at a regular pace in China, with facial recognition camera maker Intellifusion raising \$565.6 million in an IPO. Microsoft's recent victory in a federal challenge to its acquisition of video game company Activision Blizzard may embolden further Big Tech M&A.



Source: PitchBook • Geography: Global • *As of June 30, 2023



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VC ACTIVITY

Key AI & ML late-stage VC deals by deal value (\$M)*

Company	Close date (2023)	Subsegment	Deal value (\$M)	Pre-money valuation (\$M)	Lead investor(s)
<u>CoreWeave</u>	April 14	Al automation platforms	\$421.0	\$2,100.0	Magnetar Capital
<u>Cohere</u>	June 8	Natural language technology	\$270.0	\$1,750.0	Inovia Capital
<u>Builder</u>	May 23	Al automation platforms	\$250.0	N/A	Qatar Investment Authority
Lightmatter	May 31	Chips	\$153.3	\$566.7	Aliya Capital Partners, SIP Global Partners
Runway	June 29	Consumer Al	\$141.0	\$1,359.0	Felicis
<u>Altruist</u>	April 12	AI in financial services	\$111.6	\$850.0	Insight Partners
Pinecone	April 27	Al core	\$100.0	\$650.0	Andreessen Horowitz
AMP Robotics	May 9	Intelligent robotics	\$99.0	N/A	Congruent Ventures, Wellington Management
Replit	April 20	Al in IT	\$97.4	\$1,062.6	Andreessen Horowitz
<u>Synthesia</u>	June 12	Consumer Al	\$90.0	\$910.0	Accel

Source: PitchBook • Geography: Global • *As of June 30, 2023



VC ACTIVITY

Top VC- and PE-backed AI & ML companies by total VC raised to date*

Company	VC (\$M) raised to date	Segment	Category	IPO probability (%)	M&A probability (%)	No exit probability (%)
<u>OpenAl</u>	\$11,010.1	Al core	Foundation models	19%	79%	2%
<u>Stripe</u>	\$9,105.0	Financial services	Payments	96%	2%	2%
<u>Waymo</u>	\$3,000.0	Autonomous vehicles	Autonomous vehicle design	63%	35%	2%
<u>Databricks</u>	\$3,497.4	Al automation platforms	Database management	89%	9%	2%
<u>Anduril</u>	\$2,315.1	Intelligent robotics	Drones	97%	1%	2%
Nuro	\$1,032.0	Intelligent robotics	Industrial robots	92%	6%	2%
JD Digits	\$2,127.9	Financial services	Intelligent banking	N/A	N/A	N/A
Horizon Robotics	\$700.0	Processor design	Inference	N/A	N/A	N/A
Inflection	\$1,565.0	Al core	Foundation models	2%	96%	2%
SambaNova Systems	\$1,136.6	Processor design	Training/Inference	60%	38%	2%

Source: PitchBook • Geography: Global • *As of June 30, 2023

Note: Probability data based on <u>PitchBook VC Exit Predictor methodology</u>.



SELECT COMPANY HIGHLIGHTS: DATABRICKS

databricks

Founded Last financing valuation Lead investor(s) Counterpoint Global, Franklin 2013 \$38.0B Templeton Investments, Andreessen Horowitz, NEA **Employees Last financing** Raised \$1.6B in a Series H 4,860 February 2020 Total raised \$3.5B Leader in Gartner Magic Quadrant for Data Science and Machine Learning Platforms

Overview

Founded in 2013, <u>Databricks</u> offers a data science platform that includes AI-as-a-service (AIaaS) functionality with a suite of data science tools for data engineering, data warehousing, and ML algorithms. The company grew out of the open-source Apache Spark data science community and created an extensible product, called the Unified Data Analytics Platform, that can ingest data from enterprise silos and prepare it for cluster-based computing. Once an effective open-source product was in place, the company moved to a closed-source model and rapidly increased revenue beginning in 2016.

<u>Databricks</u> now offers a product suite on top of Apache Spark that includes an AI platform called Lakehouse AI optimized for generative AI with data storage, a model training pipeline, and model serving and monitoring. It also includes a data lake, which integrates unstructured data in a central database for analytics, and data security. The company has focused on the generative AI opportunity, training a custom LLM called Dolly that can run more efficiently than GPT-4 and achieve competitive results on question-answering tasks. The model is open-source and rapidly grew to 10,000 <u>GitHub</u> stars. The company is adding to its infrastructure capabilities as well by acquiring AI data storage startup <u>Rubicon</u>, hardware acceleration startup <u>MosaicML</u> for \$1.3 billion, and AI data governance startup <u>Okera</u>. We believe the company is surpassing its peer <u>Snowflake</u> in AI capabilities.

About PitchBook Industry and Technology Research

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Our Industry and Technology Research provides detailed analysis of nascent tech sectors so you can better navigate the changing markets you operate in—and pursue new opportunities with confidence.

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PitchBook Data, Inc.

John Gabbert Founder, CEO

Nizar Tarhuni Vice President, Institutional Research and Editorial

Paul Condra Head of Emerging Technology Research

Additional research

Eric Bellomo
eric.bellomo@pitchbook.com
Gaming
E-Commerce

Brendan Burke
brendan.burke@pitchbook.com
Internet of Things
Information Security
Artificial Intelligence & Machine
Learning

Aaron DeGagne aaron.degagne@pitchbook.com Medtech Digital Health

Alex Frederick alex.frederick@pitchbook.com Agtech Foodtech

Jonathan Geurkink jonathan.geurkink@pitchbook.com Supply Chain Tech Mobility Tech

Kazi Helal kazi.helal@pitchbook.com Biopharma Pharmatech Derek Hernandez derek.hernandez@pitchbook.com Enterprise SaaS

Ali Javaheri ali.javaheri@pitchbook.com Emerging Spaces

Robert Le robert.le@pitchbook.com Insurtech Crypto

John MacDonagh john.macdonagh@pitchbook.com Carbon & Emissions Tech Clean Energy Tech

Rebecca Springer
rebecca.springer@pitchbook.com
Healthcare Services
Healthcare IT

Rudy Yang rudy.yang@pitchbook.com Enterprise Fintech Retail Fintech