

amazon | science

Customer-obsessed science





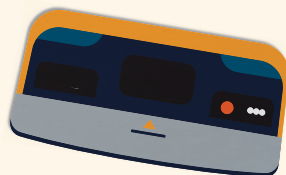
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in science? Come take a look.

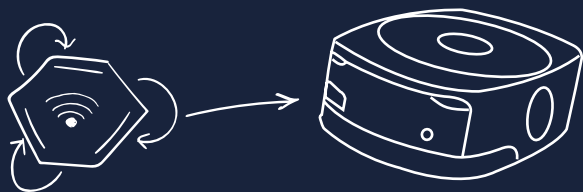
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Explore our Research

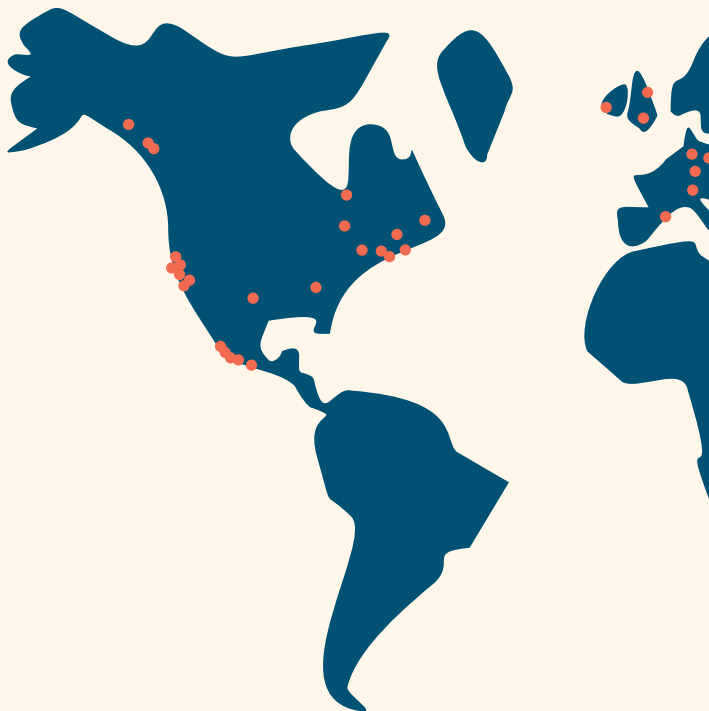
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Teams that create our next innovations

Alexa Shopping | London, Palo Alto, New York, Seattle, Sunnyvale, Tel Aviv

Our scientist team creates and invents new natural language algorithms and machine learning approaches to enable customers to discover and buy products from the amazon catalog simply through natural conversation with their smart devices such as Echo, Fire TV, and beyond. We invent today the shopping experiences of tomorrow.

Amazon Fashion | New York, Seattle

Amazon Fashion is using computer vision, knowledge-based artificial intelligence, deep learning, and other machine learning techniques to understand the style and fit characteristics of items in our catalog, and to match items to customers based on their style and fit preferences. Our mission is to help each customer easily find the perfect items for their closet.

Amazon Search | Barcelona, Berkeley, Berlin, Palo Alto, Seattle

Whenever a customer visits an Amazon site worldwide and types in a query or browses through product categories, Amazon Search services go to work. We develop and deploy high performance, fault-tolerant distributed search systems that use different ML applications to offer search suggestions, understand intent of queries, rank products, and optimize results.



AMAZON SELECTION AND CATALOG SYSTEMS (ASCS) | Seattle, Cupertino, New York

ASCS builds the systems that host and run the world's largest e-Commerce products catalog - it powers the online buying experience for customers worldwide so they can find, discover and buy anything they want. We develop and apply technologies spanning parallel processing, storage, Machine Learning, Natural Language Processing, and Image Recognition.

Consumer Engagement | Berlin, New York, Seattle

Consumer Engagement powers the customer experience on Amazon stores worldwide, from the front-end customer experience to back-end service technology. Whether it's technical teams pushing the boundaries of machine learning or business teams launching new voice ordering capabilities, we innovate on behalf of customers on a massive scale - and we're just getting started. Our teams run the online store and App store, including community features like customer reviews, personalization features like recommendations, consumer behavior analytics, and automated marketing.

Customer Trust and Partner Support (CTPS)| Seattle, San Diego

Our mission is to make Amazon the safest and most trusted place worldwide to transact online. Amazon runs one of the most dynamic e-commerce marketplaces in the world, with nearly 2 million sellers worldwide selling hundreds of millions of items in ten countries. CTPS safeguards every financial transaction across all Amazon sites. As such, CTPS designs and builds the software systems, risk models and operational processes that minimize risk and maximize trust in Amazon.com.

Kindle/Books Demand Science and Analytics team | Seattle, Austin, Madrid

Passionate about books, recommenders and ML? Kindle/Books Demand Science and Analytics team is seeking an experienced Machine Learning Scientist to unlock the power of the information stored in the 1B+ searches, clicks, purchases, reading and borrows.

Academic collaborations

Student programs

We hire PhD and Masters interns throughout the year across a wide variety of teams, locations and domains. Relevant areas of research include:

- Machine learning
- Computer vision
- Natural language processing
- Speech
- Robotics
- Statistics
- Operations research
- Software development
- Hardware development



Amazon Scholars

We've got a flexible new program for professors which ranges from part-time to full-time research roles across multiple teams and domains at Amazon. Want to know more?

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AWS Cloud Credits for Research

We offer credits for AWS services for researchers building cloud-hosted publicly available science-as-a-service applications, software, or tools to facilitate their future research and the research of their community.

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Alexa Prize

Compete with researchers from around the world seeking to advance the start-of-the art in open domain dialogue systems.

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AWS Educate

Amazon's global initiative to provide both students and educators with the resources needed to accelerate cloud-related learning.

Learn more at: aws.amazon.com/education/awseducate/





Amazon Research Awards

The Amazon Research Awards (ARA) program offers awards of up to \$80,000 to faculty members at academic institutions worldwide.

You can learn more at ara.amazon-ml.com.

Areas of research include:

- Computer vision
- Fairness in artificial intelligence
- Knowledge management and data quality
- Machine learning algorithms and theory
- Natural language processing
- Online advertising
- Operations research and optimization
- Personalization
- Robotics
- Search and information retrieval
- Security, privacy and abuse prevention





Learn more at: amazon.science