

# **Collaborating on the Frontier:**

## **Academia and Industry in Machine Learning Research**

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# Motivations

## Why Do Companies Collaborate?

1. Access to Cutting-Edge Research: Business vs. Computer Science
2. Top Talents
3. Small Companies Leverage Public Funding: Government or non-profit funding when done in academic settings (e.g., NSF, EU Horizon)

# Motivations

## Why Does Academia Collaborate?

1. Datasets
2. Practical Impact
3. Career Development for Students

# Key Consideration for Academia-Industry Collaboration

1. How to approach to industry partners
2. Company scale: Small vs. Large (publicly traded or not)
3. Industry type: IT vs. Non-IT
4. How to align goals
  - Profit vs. public good
  - Speed vs. Rigor
  - Secrecy vs. openness
5. Resource-availability
6. Rapidly-changing environment: Finance, C-Suite, etc.