

# Innovation in the Age of Artificial Intelligence

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# The Nature of Innovation

*“Innovation is seeing what everybody has seen and thinking what nobody has thought.”* – Dr. Albert Szent-Györgyi, 1937 Nobel Prize Winner in Medicine

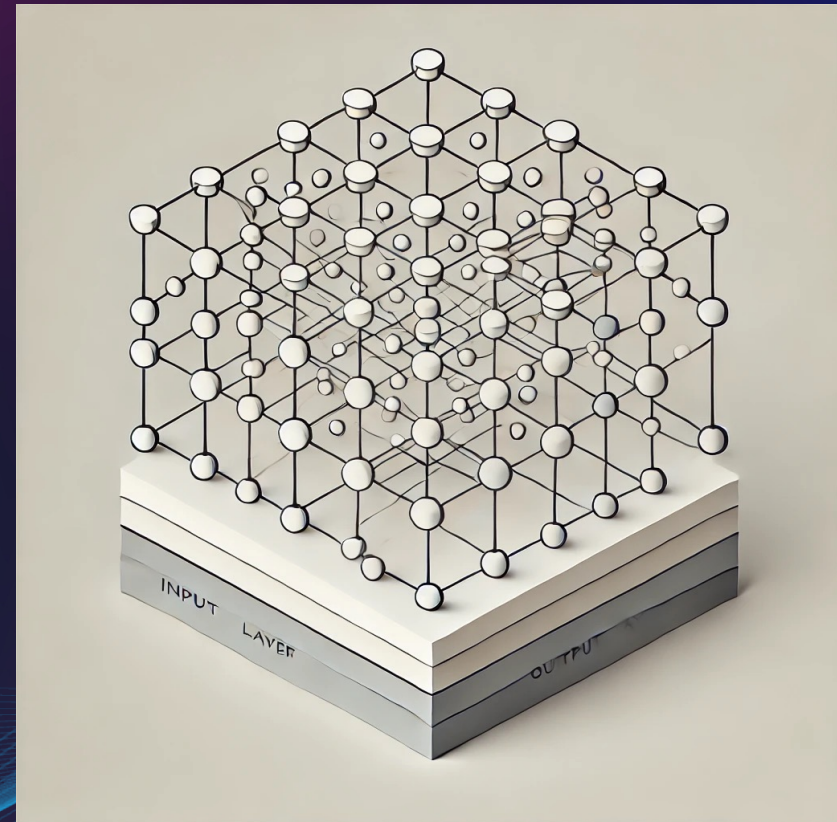
## At its best, innovation:

- drives progress and improves quality of life
- solves global challenges like poverty and disease
- creates new industries and jobs
- stretches across science and technology, business, policy and governance

*What is the future of innovation, in an AI-filled world?*

# A Very Brief History of Artificial Intelligence

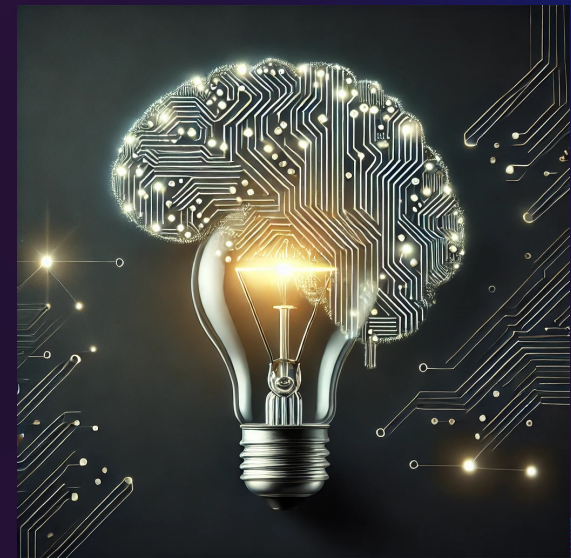
- Alan Turing
- Dartmouth Workshop
- AI Winters
- Expert Systems
- Deep Learning/ANNs
- Transformers





# Thinking Outside the Bot: How AI Fuels Creativity

- Rapid Data Analysis/Pattern Recognition
- Enhanced Design and Simulation
- Intelligent Knowledge Management
- Gen AI for Idea Exploration
- Customized Learning



*AI will shift our focus from rote and repetitive tasks, allowing us to apply human ingenuity on higher-level matters.*

# Innovation Risks: Can AI Smother Our Individual Spark?

- Distraction and Always-on Entertainment
- Echo Chambers and Bubble Perspectives
- Skills Atrophy
- Economic Disruption
- Potential Bias Impacts

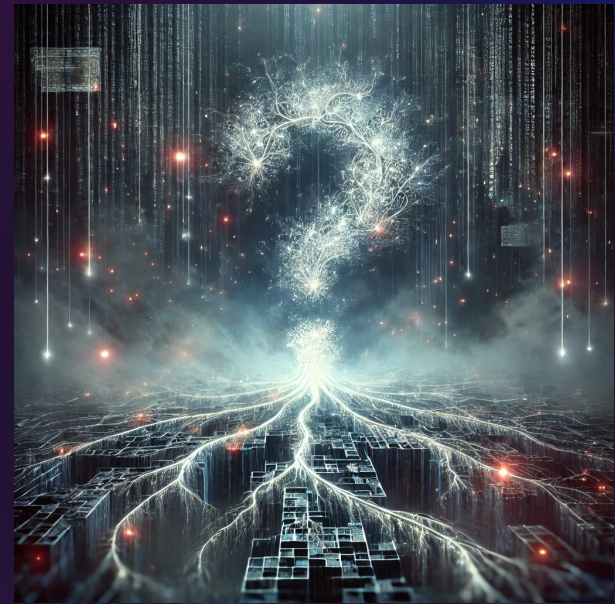
*Innovation requires more than tools—it requires conscious efforts to preserve critical thinking, creativity, and diverse viewpoints.*





# AI Wildcards: The Unanswered Questions

- Intellectual Property
- Regulatory Policy
- Business Model Transformation
- Cybersecurity and Trust
- Ethical Factors



*Innovative success requires vigilance and agility—these wildcards may shape your efforts!*

# The Human Element: Becoming more Innovative

- Build Your Foundation
- Look Critically at Existing Solutions
- Take Action





# Beyond the Prompt: AI's Future, and Yours

Becoming More Innovative: AI Edition

The Master and the Novice

Congratulations—You're a Manager!

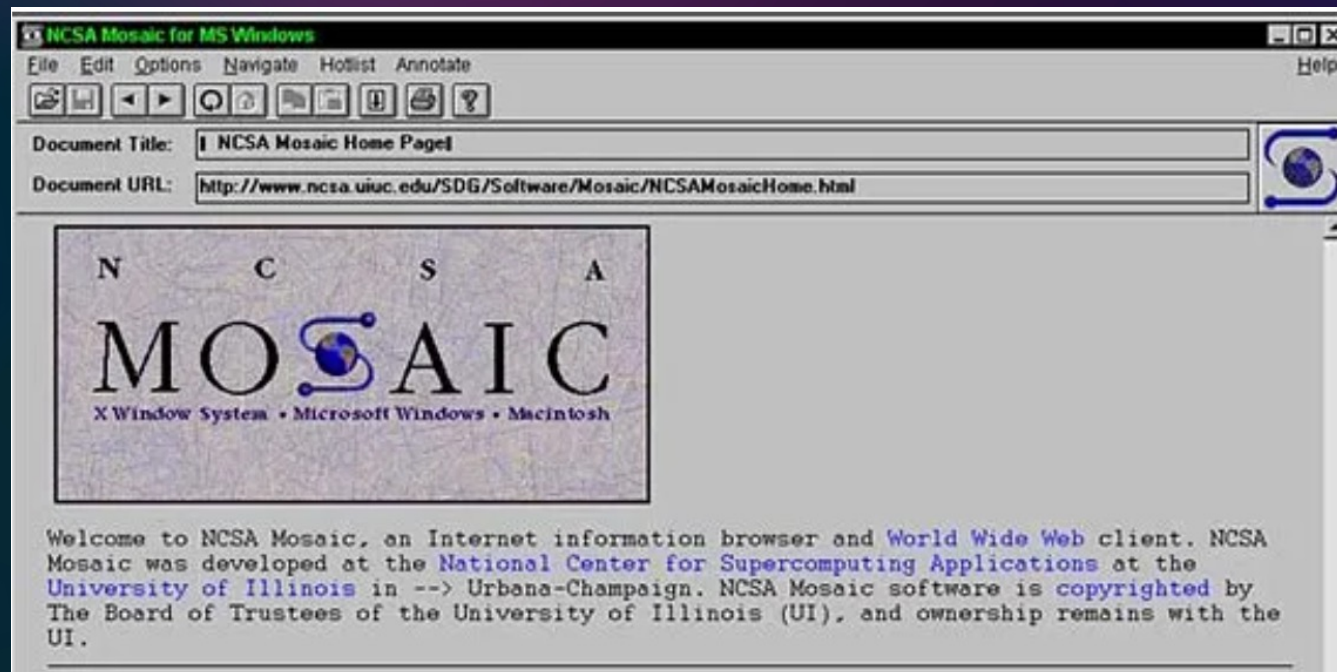
Can AI Innovate?



*A brief word on Artificial General Intelligence (AGI)*



# Tying it Together: Closing Thoughts



*How will you respond to this moment in time?*