

# Machine Learning @ UChicago



# Why Machine Learning



# Economic Value

By 2030, we expect that

- A.I and M.L. will add \$13 trillion to the global economy
- 70% of companies will use A.I





# Domain Integration

- Computer vision
- Speech recognition
- Natural language processing
- Biology
- Computer games



# Societal Impact

- Increased efficiency of services
- Changes to employment
- Control of information



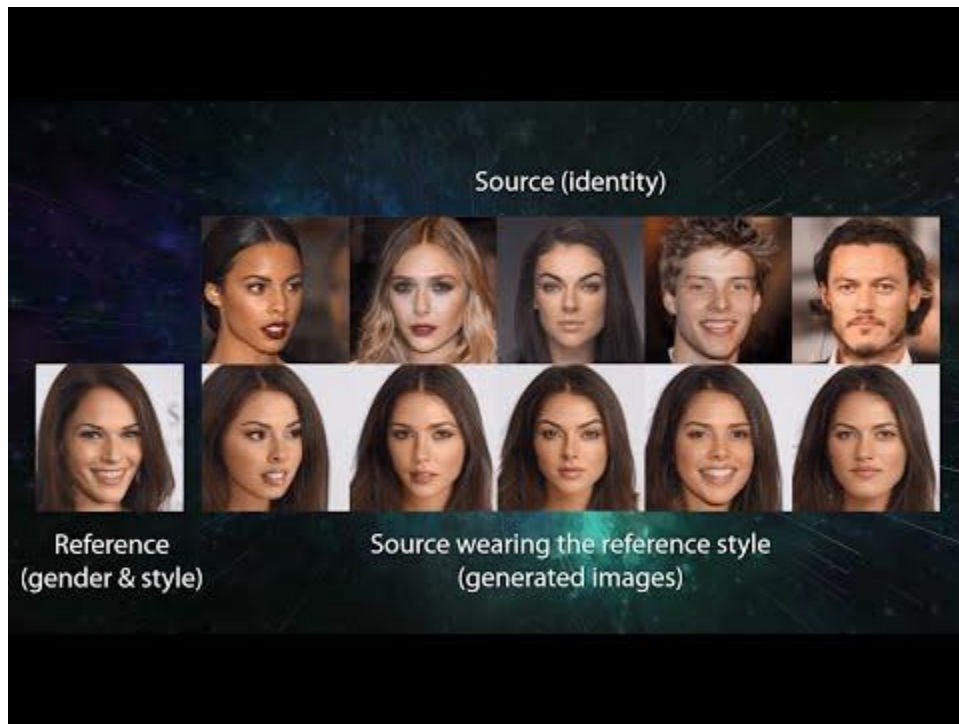
# Machine Learning Applications



# Self-Driving Cars



# Generate Faces



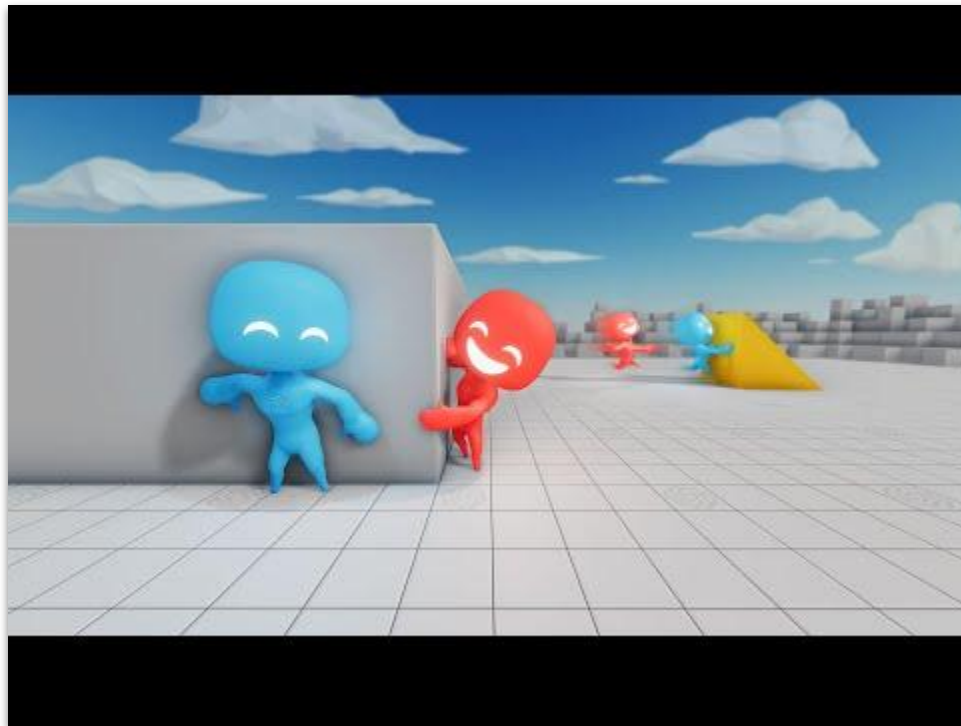


# Generate Text / Music

- <https://talktotransformer.com/>
- <https://www.youtube.com/watch?v=2SY9KpyP3cl>
- <https://www.youtube.com/watch?v=gA03iyI3yEA>



# Play Hide and Seek

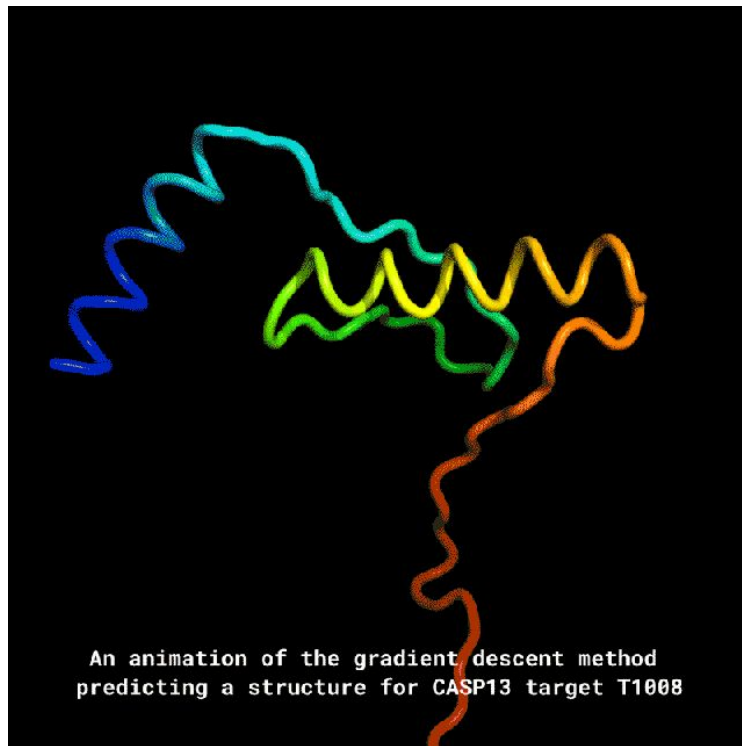


# Play Video Games

- [Go](#)
- [Poker](#)
- [DOTA2](#)
- [StarCraft](#)



# Fold Proteins



# Our Goals



Teach machine learning to everyone





Create an open community for learning and  
growth



Build meaningful projects to solve important problems





# Timeline (Open To Change)

- First quarter
  - Learn ML concepts
- Second quarter
  - Learn advanced ML concepts
  - (optional) Work on a project you are passionate about
- Third quarter
  - (optional) Continue working on your project

