

CSC 202: Intro to Machine Intelligence, Final Presentation

During the semester we have learned about, used, and applied various machine intelligence applications including natural language processing, digital assistants, and machine learning classification methods including k-nearest neighbor and neural networks. Machine intelligence has already had and will continue to have a large impact on our society, and its use raises many ethical and societal questions regarding if and how various technologies should be used. For your final presentation, you will briefly summarize either an ethical issue and/or an example of a specific machine intelligence application, by summarizing one of the articles on the next page (other articles can be used with permission). Your presentation should be no more than 10 minutes. **You must record your presentation, using either PowerPoint with Audio, or as a YouTube video, and submit the presentation (or link) through Blackboard.** I will then post the presentation to Perusall so we can view and discuss each other's presentations.

Due dates:

- ~~• Presentations must be submitted through Blackboard by 11:00 AM on Wednesday, May 11th.~~
- ~~• You must leave questions/comments on at least 4 presentations by noon on May 13th~~

Final Presentation Rubric

Title page (1 slide) 10 points

- Contains a screen shot of the article that you are presenting, your name, and the date of the presentation

Background (2-3 slides) 25 points

- Background is provided about the application(s) or products you will be discussing.
- For example, if your article is about facial recognition, then "facial recognition" needs to be defined; if the article talks about Amazon's Alexa, then this should be described
- One or more images* are included to help explain the background or engage the viewer

Article Summary (2 – 3 slides) 40 points

- A clear summary of the article is provided
- Your summary includes at least 4 facts, results, or main points mentioned in the article
- Images from the article or elsewhere are included to help summarize the article and/or engage the viewer

Conclusion and Food for Thought (1-2 slides) 25 points

- The main point or theme of the article is summarized
- State two questions about the use of machine intelligence raised by the article
- Optionally, you may include your own opinion about the article or the application described

* All images must include a reference, such as *image source*: <http://link to image.com>

Possible presentations (other articles are allowed with prior approval):

1. "In Wisconsin, a Backlash Against Using Data to Foretell Defendant's Futures", *NY Times*, <https://www.nytimes.com/2016/06/23/us/backlash-in-wisconsin-against-using-data-to-foretell-defendants-futures.html>
2. "Chicago Police Try to Predict Who May Shoot or Be Shot", *NY Times*, <https://www.nytimes.com/2016/05/24/us/armed-with-data-chicago-police-try-to-predict-who-may-shoot-or-be-shot.html>
3. "Amazon scraps secret AI recruiting tool that showed bias against women", *Reuters*, <https://www.reuters.com/article/us-amazon-com-jobs-automation-insight/amazon-scraps-secret-ai-recruiting-tool-that-showed-bias-against-women-idUSKCN1MK08G>
4. "The Follower Factory", *NY Times*, <https://www.nytimes.com/interactive/2018/01/27/technology/social-media-bots.html>
5. "How Companies Learn Your Secrets", *NY Times* article, <https://www.nytimes.com/2012/02/19/magazine/shopping-habits.html>
6. "The Best Algorithms Struggle to Recognize Black Faces Equally", *Wired*, <https://www.wired.com/story/best-algorithms-struggle-recognize-black-faces-equally/>
7. "A.I. Is Mastering Language. Should We Trust What It Says?", *New York Times Magazine*, <https://www.nytimes.com/2022/04/15/magazine/ai-language.html>
8. "An AI learned to play hide-and-seek", *Vox*, <https://www.vox.com/future-perfect/2019/9/20/20872672/ai-learn-play-hide-and-seek>
9. "AlphaGo Zero: Google DeepMind supercomputer learns 3,000 years of human knowledge in 40 days", *The Telegraph*, <https://www.telegraph.co.uk/science/2017/10/18/alphago-zero-google-deepmind-supercomputer-learns-3000-years/>
10. "Google Duplex: An AI system for Accomplishing Real-World Tasks Over the Phone", *Google AI Blog*, <https://ai.googleblog.com/2018/05/duplex-ai-system-for-natural-conversation.html>
11. "There will be no turning back on facial recognition", *NY Times Magazine*, <http://nymag.com/intelligencer/2019/11/the-future-of-facial-recognition-in-america.html>

12. "Fake videos could be the next big problem in the 2020 elections", CNBC, <https://www.cnbc.com/2019/10/15/deepfakes-could-be-problem-for-the-2020-election.html>
13. "What will happen when machines write songs just as well as your favorite musician? ", *Mother Jones*, <https://www.motherjones.com/media/2019/03/what-will-happen-when-machines-write-songs-just-as-well-as-your-favorite-musician/>
14. "Six serious risks associated with AI in healthcare", *AI in Healthcare*, <https://www.aiin.healthcare/topics/diagnostics/6-risks-ai-healthcare-artificial-intelligence>
15. "How AI is changing the way we treat diseases and disabilities", *Forbes*, <https://www.forbes.com/sites/cognitiveworld/2019/11/27/how-ai-is-changing-the-way-we-treat-diseases-and-disabilities/#4b6cf3ec1e81>
16. "Amazon's Alexa may have witnessed alleged Florida murder, authorities say", NBC News, <https://www.nbcnews.com/news/us-news/amazon-s-alexa-may-have-witnessed-alleged-florida-murder-authorities-n1075621>
17. "Coming soon to Netflix: movie trailers crafted by AI", *CBS News*, <https://www.cbsnews.com/news/netflix-trailers-made-by-ai-netflix-is-investing-in-automation-to-make-trailers/>
18. "How AI is making sentiment analysis easy", *Forbes*, <https://www.forbes.com/sites/danielnewman/2019/11/22/how-ai-is-making-sentiment-analysis-easy/>