Name of Resource	Notes/Recommendations/Thoughts on Resource	Type of Resource
How AI changed organ donation in the US	Description of an AI application that addresses an important problem, but with limitations.	article
Stop pretending you really know what AI is and read this instead	"Take a deep breath. Let's consider for a second what we talk about when we talk about AI. Because I'm not sure many of us really know—or, at the very least, we're not talking/arguing/worrying about the same things."	article
The Future of Belonging won \$5,000 to create dolls that use artificial intelligence to listen to students' concerns and provide data to counselors. (University of Pittsburgh)	Interesting local project that was recently funded. I'm not sure what the status of the project is thus far.  The Goldman Prize: Entrepreneurship for Education On September 25, 2017, teachers, counselors and graduate students presented their entrepreneurial ideas before a "Shark-Tank" style panel of judges to battle for coveted funding to address problems in education through innovation. Renée and Richard Goldman, who are alumni of Pitt's School of Education, sponsored the contest. Judges awarded \$30,000 in funding among three winners of the event.  Peerval 3-D Digital Design Critique took home the top prize of \$15,000 for the development of an application that allows large groups of students and teachers to map and annotate 3-D digital designs from an internet browser.  Triple Note, a Data Collection and Instruction App, won \$10,000 for an application to help field researchers store and access data, video, images, audio and other information in a since cloud based source.  The Future of Belonging won \$5,000 to create dolls that use artificial intelligence to listen to students' concerns and provide data to counselors.	project
Generation AI: What happens when your child's friend is an AI toy that talks back?	Article about Cayla the "internet-connected doll that uses voice recognition technology to chat and interact with children in real time. Cayla's conversations are recorded and transmitted online to a voice analysis company." Challenges and issues are arising around and "setting off alarm bells around privacy, bias, surveillance, manipulation, democracy, transparency and accountability." Also who owns the data?  Another important aspect of this article brings attention towards creating agile governmental models to respond to regulating algorithms.	article

Difference between Artificial Intelligence and Machine Learning	3 Stages of AI  Narrow AI  Dedicated to assist with or take over specific tasks  Takes knowledge from one domain, transfers to other domain  Takes knowledge from one domain, transfers that are in order of magnitude smarter than humans	Image, article
The "Intelligent" Cloud: How AI is changing the face of Cloud Computing	Self-Learning and Completely Automated Enterprise Computerized Human Thought Simulation and Actions Towards Automomic Enterprise Simulation-Driven Analysis and Decision-Making Mature Data Lake Foresight What Will Happen, When, and Why Operational Analytics  Diagnostic Analytics  Diagnostic Analytics  Insight What Happened Analytics  Predictive Analytics  Predictive Analytics  Predictive Analytics  Hindsight What Happened  Hindsight What Happened	Image, article
What is AI?	IBM video - this is a pretty decent and pithy explanation  BBC video - this is a little too comical and the music is too loud, but it is ok  intel video - more detailed, but dryer, and provides historical context	Video
Related Videos/Talks	How AI can save our humanity - pretty optimistic and heartwarming TED Talk  What AI is and isn't - more of a business perspective  AI and Ethics: People, Robots and Society - Very good discussion that goes into depth about ethical considerations in AI.	Video
From professors to prime ministers, Kay Firth-Butterfield of the World Economic Forum is ensuring global leaders are talking about socially responsible AI development.	"One of the projects that I'm doing here at the World Economic Forum is a project with AI professors from around the world where we are trying to ensure that every student's AI curriculum includes some training on ethics and the social impact of AI. The intent is that those people who are being asked to develop things or who are setting up their own businesses using AI have at least some background training on the ethical implications."  – Kay Firth-Butterfield, World Economic Forum	Article

Annanian	Jennifer Lanas @educateyinz  #MustRead Ethics and the Social Impacts of Al  Consider:  Bias Transparency Accountability Privacy  How might we initiate a conversation adopting policy + education around Al that will benefit humanity and the planet? #thefluencyproject	De Jacob
American Innovations Podcast: AI	Episode Info Artificial Intelligence is no longer the stuff of science fiction. And it's about to get much more powerful: machines that can reason, create, predict the future, even dream. AI is likely to be one of the most transformative technologies of the 21st-century. This is the first in our four-episode series about the rise of artificial intelligence and humanity's quest to breathe intellectual life into computers. In this episode, we're going to meet the mavericks who first dreamed of a world where machines capable of being smarter than the people who created them. And what better way for smart machines and their creators to face off in a battle of wits than by playing chess?	Podcast
Robot Automation: The Denial of the East, the Panic of the West, and the Question No One Wants to Answer	Blog post from Tech 2025 on people's responses worldwide to robot automation and job lossthis seemed interesting because it looked at our inability globally, to understand the implications of AI.	Article (blog)
With Mr. VR. and AR. Humans and Machines Will Unite in the Workforce	An optimistic take on the ways humans will use virtual reality and augmented reality in combination with robotics, artificial intelligence, etc. to engage in construction. The argument is, the devices will disappear and new, small headsets will make the use	Article (blog)

1A: Where Pittsburgh Meets AI	An episode of 1A, a show on NPR, featuring Pittsburgh's journey with artificial intelligence.	Radio podcast
Screenagers	A documentary film, not directly on AI, but focusing on the impact of technology on young people and their families.  Practically useful, family-friendly resources, as well as research on brain impact.	Documentary and website
Ethics and Robotics Course Materials	Illah Nourbakhsh's Ethics and Robots course materials, open-sourced.	Wikisite
Human Or Machine: Can You Tell Who Wrote These Poems?	Perhaps we could test ourselves to see if we could spot the human or computer-generated poetry	Interactive article
Don't Grade Teachers With a Bad Algorithm	I'm still looking for the article that is not blocked by a paywall. :(	Article
How Far Off Is the Singularity?	A series of scientifically informed positions on the singularity	Article (blog)
The Automation Charade	A critique the ideology of automation and the myth of human obsolescence.	Article
AI at Google: our principles	Google's principles for AI research and development	Article
Humans (AMC series) - description  And here's an essay on Vulture about the show	Here's a description of the series: Humanoid Synthetics have become an inextricable part of society, obediently serving and protecting the human population. But what happens when these Synths are given the right to consciousness and their own free will?  One year after the dawn of consciousness, a decimated and oppressed Synth population fights to survive in a world that hates and fears them.	
Altered Carbon	Netflix series taking place in the future that centers on the ability to transfer one's own consciousness infinitely thus delaying "real death". This ability is reserved for people with extensive financial resources thus exacerbating a set of cultural and social biases.	Netflix show
Robots Won't Replace Instructors, 2 Penn State Educators Argue. Instead, They'll Help Them Be 'More Human.'	Discussed the 'humanizing' effect of teaching with the thoughtful implementation of AI in classrooms	Article
Intelligence Without Representation	This report describes research done at the Artificial Intelligence Laboratory of the Massachusetts Institute of Technology. In this	Report

	paper they outline their approach to incrementally building complete intelligent Creatures.	
How To Teach Artificial Intelligence Some Common Sense	Article discusses the complexities of human intelligence as related to deep learning design models.	Article
A Proposal for the Stanford Summer Research Project on Artificial Intelligence	1955 Proposal on the Research of Artificial Intelligence	ACADEMIC report
Coursera Co-Founder Andrew Ng Wants to Bring 'AI to Everyone' in Latest Course	Courses open AI course discussion on the whys and hows of educating everyone about AI	
The Most Important Skills for the 4th Industrial Revolution? Try Ethics and Philosophy.	An argument for ethics and a broader philosophical discourse in contrast to the 'coding' and technical training very common in contemporary ed talk	
http://www2.ncte.org/statem ent/genderfairuseoflang/	A good starting point for gender inclusive language and letting go of the binary by normalizing they pronouns. How is AI acting as a socializing agent? Would incorporating this document into the dialogue help to reframe the dialogue in more inclusive ways?	position statement
http://www.chilton-computin g.org.uk/inf/literature/report s/lighthill report/contents.ht m	The Science Research Council has been receiving an increasing number of applications for research support in the rather broad field with mathematical, engineering and biological aspects which often goes under the general description Artificial Intelligence (AI). The research support applied for is sufficient in volume, and in variety of discipline involved, to demand that a general view of the field be taken by the Council itself. This is the report.	Research Report
Google's New AI Is a Master of Games, but How Does It Compare to the Human Mind?	Comparing human and machine intelligence characteristics	Smithsonian article
https://ainowinstitute.org/AI Now 2018 Report.pdf	A short article about this report came up on linkedin, and I thought it might be good to read in its entirety. scary word of the day: affect recognition.  https://gizmodo.com/the-five-most-worrying-trends-in-artificial -intelligenc-1830945466	policy recommendation s

Dangers of AI	This recent article by Michael K. Spencer, a futurist, appeared first in <i>Future Sin</i> , then in <i>Medium</i> . It identifies 5 dangers for 2019.	article
Is this AI? We drew you a flowchart to work it out	Breaking down the definition of AI	article
Silicon Valley Is Turning Into Its Own Worst Fear		article
How Much of the Internet Is Fake? Turns Out, a Lot of It, Actually		article
People's Guide to AI	From Allied Media Conference	workbook
How a Feel-Good AI Story Went Wrong in Flint		article
How Artificial Intelligence Enables the Economics of Abundance		article
A Business With No End		article
Rising Instagram Stars Are Posting Fake Sponsored Content		article
China's "Social Credit System"  Has Caused More Than Just Public Shaming (HBO)		video
How Scammers in China Manipulate Amazon		article
The Subliminal Trick Netflix Uses to Get You to Watch Its Movies & Shows		article
The Economics Of Artificial Intelligence - How Cheaper Predictions Will Change The World		article
Automation and Artificial Intelligence: How machines are affecting people and		

places		
US Army AI Task force at CMU	Still new (02/2019) still vague, still uncertain. Keep tabs on it.	Article #local
'Building machines that learn and think like people		Article
Building Machines That Learn and Think Like People		Accompanying Video
7 Short-Term AI ethics questions		Article
https://www.ted.com/talks/ce sar hidalgo a bold idea to r eplace politicians	scary, hopefully not inevitable. Bottom up tyranny?	video.
Hidden Brain: Love, Sex and Robots	What are the possibilities for deep, intimate relationships with artificial lovers?  Based on a book: <u>Turned On, Science, Sex and Robots</u> by Kate Devlin	podcast
MIT <u>Moral Machine</u>	What should the self-driving car do?	Game / Quiz
https://trustarts.org/production/62618/ai-getting-beyond-cliches-with-molly-wright-steenson https://www.alphabetcity.org	Two events on AI in the near future. All from CMU. Perhaps they have that as a major?	events

-series-artificial-intelligence- ethics/		
http://danielarus.csail.mit.ed u	The person who gave the robot lecture at CMU.	link to bio
https://www.wired.com/story/how-we-learn-computer-science-ethics/?mbid=email_onsiteshare	Teaching Ethics with Science Fiction	Wired article