[**AI Storytelling**](https://drive.google.com/drive/folders/1G6IbhhW3kSlyF6DIc0RcwnV_aEovk4Is?usp=sharing) **← LINK TO GOOGLE DRIVE FOR ANY DOCS**

* [AI Storytelling Script - Translation Dub](https://docs.google.com/document/d/1X_tp-E-kN-_BeJvZEannxeUySOJZZQVinjw3xb0hdqc/edit)

[**https://uci-antrepreneur.startuptree.co/venture/a/**](https://uci-antrepreneur.startuptree.co/venture/a/)

Needs to be completed:

# IDEAS TO EXPAND ON [drafts]:

AI dubbing translator

* POTENTIAL STORYLINE
  + “Language Barrier” → since many movies are predominantly produced in English, many people around the world find themselves excluded from the cinematic experience due to the language barrier
    - Often, translating and subbing/dubbing in different languages with voice actors is expensive and time-consuming (<https://www.latimes.com/archives/la-xpm-2001-aug-25-fi-38050-story.html>)
  + AI translation → used to translate scripts
  + AI voice model → used to dub over movies in the character’s voices
  + Solution → makes movies accessible to people of diverse backgrounds by translating them into their native languages, helping people connect with each other
* FEASIBILITY OF PRODUCT-
  + Names?
    - Film/Movie/Cinema/Script | Dub/Voice/Translate
      * CinemaSpeak
      * TranslateTalker
      * UniversalDub
      * idk
  + How to implement?
    - Need an AI model that can collect a wide range of movie datasets in multiple languages
      * Train generative AI for translation (fine tune for specific movies/languages?)
    - Create AI voice models in different languages
      * Train text to speech novels for different actors/characters (collect range of voice samples to train the AI)
    - Generate translated scripts → make sure that it syncs with the original script so the timing works with the original movie
      * Use text to speech AI voice model to create translated dubbed audio (can ai edit the video to create matching lip sync? Deep fakes can help with digitally altering)
    - User interface → allow users to select a language, once selected, the AI will take care of translation+dubbing and return a download(? - or if it’s on a streaming platform, then it will just allow it to be viewed; maybe make it so if one viewer does a language, it is now available for all viewers, no need to re-translate and re-dub every time, just save that specific translation on the cloud or something) of the translated movie
  + GOAL: use generative AI to create human-like voiceover translations
    - Requires AI voice models, language processing, audio processing, video processing(? - if doing the lip sync edit as well)

Friendly platform for elderly

* POTENTIAL STORYLINE
* FEASIBILITY OF PRODUCT

Integrating commerce into content

* POTENTIAL STORYLINE
* FEASIBILITY OF PRODUCT
  + Need to make movies a clickable interface → but also unobtrusive enough that if a viewer is watching on a touchscreen device, it does not act like pop-up adds (can easily become a negative experience if implemented badly)

Anomaly detection:

Anomaly Detection in Film Sets:

a. Image Analysis: AI algorithms can analyze images and videos from film sets to detect anomalies. For example, computer vision algorithms can identify equipment or people in the frame that shouldn't be there or objects out of place.

d. Environmental Monitoring: AI sensors can monitor environmental conditions like temperature, humidity, and lighting to ensure they remain within the desired parameters for filming.

Anomaly Detection in Scripts:

a. Content Analysis: Natural language processing (NLP) techniques can be used to analyze scripts. AI can identify inconsistencies in character behavior, dialogue, or plot that may indicate anomalies.

b. Plausibility Checks: AI can assess the realism and coherence of the storyline, identifying situations or events that may be implausible or out of context.

c. Character Consistency: AI can track the development of characters over the course of a script to ensure they remain consistent in their behavior and motivations.

d. Tone and Genre Analysis: AI can assess the tone and genre of a script and identify if it shifts unexpectedly or deviates from the intended style.

e. Sentiment Analysis: Sentiment analysis can be used to detect changes in the emotional tone of the script, helping to maintain a consistent emotional arc.

NLP- topic modelling, Image comparison(DeepAI)

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# IDEAS:

* Stereotype / bias identification
* Monitoring social media for harmful content - app no violence for those who opt in, retired people,
* Positive news app
* Ai that detects outlier from storyline
  + Keep track of lore → notify about contradictions
  + Scan video content → catch inconsistencies
* Ai generated alternative storyline
* Ai dubbing translator
  + Translate script in the language of choice
  + Generative AI → speak lines in character’s voice
  + AI voice model
* Integrating commerce into content
  + Click on product in movie/show/etc. → takes to a link to purchase
  + Make it easier for people to find

# IDEAS TO EXPAND ON:

* AI dubbing translator
  + Translate script in the language of choice
  + Generative AI → speak lines in character’s voice
  + AI voice model
* Friendly platform for elderly
  + Monitoring social media for harmful content - app no violence for those who opt in, retired people,
  + Battling loneliness → personal narrative storyline
* Integrating commerce into content
  + Click on product in movie/show/etc. → takes to a link to purchase
  + Make it easier for people to find

Here are some ideas for the storytelling track for the AI for Social Good Competition hosted by the UCI Center for Entrepreneurship:

* Storytelling about the **real-world impact** of AI on social good. This could include stories about AI-powered solutions that are helping to address some of the world's most pressing social challenges, such as climate change, poverty, and disease. For example, you could tell the story of how AI is being used to develop new renewable energy technologies, predict and prevent natural disasters, or create personalized education programs for children in underserved communities.
* Storytelling about the **people behind AI** for social good. This could include stories about the researchers, engineers, and entrepreneurs who are developing and deploying AI-powered solutions to social problems. For example, you could tell the story of a young engineer who is developing a new AI-powered tool to help farmers in developing countries detect crop diseases early on. Or, you could tell the story of a social entrepreneur who is using AI to create a new platform that connects people with disabilities to job opportunities.
* Storytelling about the **future of AI** for social good. This could include stories about the potential of AI to solve some of the world's most complex social problems. For example, you could tell the story of how AI could be used to create a more sustainable and equitable food system, or to develop new treatments for diseases that currently have no cure.

When telling your story, be sure to focus on the human impact of AI. What are the real-world differences that AI-powered solutions are making in people's lives? How are AI-powered solutions helping to create a better world for everyone?

Here are some specific examples of storytelling topics that you could explore:

* **Using AI to improve healthcare delivery**: How is AI being used to develop new drugs and treatments, diagnose diseases more accurately, and provide personalized care to patients?
* **Using AI to protect the environment**: How is AI being used to monitor climate change, develop renewable energy sources, and reduce pollution?
* **Using AI to promote education and learning**: How is AI being used to create personalized learning programs, provide feedback to students, and make education more accessible to everyone?
* **Using AI to promote economic opportunity**: How is AI being used to create new jobs, automate tasks, and make businesses more efficient?
* **Using AI to promote social justice and equity**: How is AI being used to combat bias and discrimination, protect human rights, and build a more inclusive society?

There are many ways to use AI to improve **healthcare delivery**, including:

* **Diagnosis and treatment**: AI can be used to develop new diagnostic tools and treatments, as well as to personalize existing treatments to individual patients. For example, AI can be used to develop algorithms that can accurately diagnose diseases from medical images, such as X-rays and MRIs. AI can also be used to develop personalized treatment plans for cancer patients, taking into account their tumor characteristics and other factors.
* **Drug discovery and development**: AI can be used to accelerate the drug discovery and development process. For example, AI can be used to screen millions of potential drug candidates for efficacy and safety. AI can also be used to design new drugs and to predict their interactions with the human body.
* **Patient monitoring and care**: AI can be used to monitor patients' health and to provide them with personalized care. For example, AI can be used to develop wearable devices that can monitor patients' vital signs and activity levels. AI can also be used to develop chatbots that can provide patients with information and support.
* **Administrative tasks**: AI can be used to automate many administrative tasks in healthcare, such as scheduling appointments, processing insurance claims, and maintaining medical records. This can free up healthcare workers to focus on patient care.

Here are some specific examples of how AI is being used to improve healthcare delivery today:

* **AI-powered virtual assistants**: AI-powered virtual assistants can be used to answer patients' questions, schedule appointments, and help them to navigate the healthcare system. For example, the VA Medical Center in Washington, D.C. uses an AI-powered virtual assistant to help veterans to book appointments and to get information about their benefits.
* **AI-powered medical imaging analysis**: AI-powered medical imaging analysis tools can help radiologists to diagnose diseases more accurately and efficiently. For example, the company Arterys uses AI to develop algorithms that can detect heart disease from CT scans.
* **AI-powered personalized cancer treatments**: AI-powered tools can be used to develop personalized cancer treatment plans for patients. For example, the company Flatiron Health uses AI to develop algorithms that can match cancer patients with the best clinical trials for their disease.
* **AI-powered chatbots for mental health support**: AI-powered chatbots can be used to provide patients with mental health support. For example, the chatbot Wysa provides users with a safe space to talk about their feelings and to get advice on how to manage their mental health.

Artificial intelligence (AI) has the potential to be a powerful tool for **protecting the environment**. Here are a few ideas for how AI can be used to protect the environment:

* **Monitoring and predicting environmental changes**: AI can be used to monitor and predict a variety of environmental changes, such as climate change, deforestation, and pollution. This information can then be used to develop and implement strategies to mitigate these changes. For example, AI is being used to develop models that can predict the spread of wildfires, helping firefighters to deploy resources more effectively.
* **Optimizing renewable energy production**: AI can be used to optimize the production of renewable energy, such as solar and wind power. For example, AI can be used to predict the availability of renewable energy resources and to develop algorithms for dispatching renewable energy sources to the grid. This can help to reduce our reliance on fossil fuels and to mitigate climate change.
* **Improving energy efficiency**: AI can be used to improve energy efficiency in buildings, transportation, and industry. For example, AI can be used to develop smart thermostats that can learn how to heat and cool buildings more efficiently. AI can also be used to develop self-driving cars that can optimize their routes to save fuel.
* **Reducing pollution**: AI can be used to reduce pollution from vehicles, factories, and other sources. For example, AI is being used to develop sensors that can monitor air quality and to develop algorithms for reducing emissions from vehicles.
* **Protecting biodiversity**: AI can be used to protect biodiversity by monitoring and tracking wildlife populations, identifying and preventing poaching, and detecting and responding to invasive species. For example, AI is being used to develop algorithms for identifying and tracking individual animals from camera trap images.

These are just a few examples of how AI can be used to protect the environment. As AI continues to develop, we can expect to see even more innovative and effective ways to use AI to protect our planet.

Here are some specific examples of AI-powered technologies that are being used to protect the environment today:

* **AI-powered forest monitoring tools**: AI-powered forest monitoring tools can be used to detect deforestation and illegal logging in real time. For example, the company Global Forest Watch uses AI to analyze satellite images to detect deforestation in the Amazon rainforest.
* **AI-powered pollution monitoring tools**: AI-powered pollution monitoring tools can be used to track air quality and identify sources of pollution. For example, the company PurpleAir uses AI to analyze data from its network of air quality sensors to provide real-time air quality updates.
* **AI-powered energy efficiency tools**: AI-powered energy efficiency tools can help businesses and homeowners to reduce their energy consumption. For example, the company Nest uses AI to develop smart thermostats that learn how to heat and cool homes more efficiently.
* **AI-powered wildlife conservation tools**: AI-powered wildlife conservation tools can help to protect wildlife populations and to track illegal poaching. For example, the company WildMe uses AI to identify and track individual animals from camera trap images.

Artificial intelligence (AI) has the potential to **revolutionize education and learning**. Here are a few ideas for how AI can be used to promote education and learning:

* **Personalized learning**: AI can be used to create personalized learning experiences for students. For example, AI-powered tutoring systems can provide students with individualized instruction and feedback based on their needs and learning style. AI can also be used to develop personalized learning plans for students, taking into account their interests, goals, and prior knowledge.
* **Adaptive learning**: AI can be used to create adaptive learning environments that respond to students' needs in real time. For example, AI-powered learning platforms can adjust the difficulty of lessons based on students' performance and provide them with additional support when they need it.
* **Gamification**: AI can be used to gamify learning, making it more engaging and motivating for students. For example, AI-powered educational games can reward students for their progress and help them to learn new concepts in a fun and interactive way.
* **Accessibility**: AI can be used to make education and learning more accessible to students with disabilities and other special needs. For example, AI-powered tools can transcribe lectures and other audio content into text, and they can provide real-time translation for students who are learning a new language.
* **Assessment**: AI can be used to develop more effective and efficient assessment tools. For example, AI-powered grading systems can automatically grade essays and other assignments, freeing up teachers to focus on other tasks.

Here are some specific examples of AI-powered technologies that are being used to promote education and learning today:

* **AI-powered tutoring systems**: AI-powered tutoring systems can provide students with individualized instruction and feedback based on their needs and learning style. For example, the company Carnegie Learning uses AI to develop tutoring systems for math and science.
* **AI-powered personalized learning platforms**: AI-powered personalized learning platforms can create personalized learning experiences for students. For example, the company Knewton uses AI to develop personalized learning plans for students based on their interests, goals, and prior knowledge.
* **AI-powered educational games**: AI-powered educational games can make learning more engaging and motivating for students. For example, the company DreamBox Learning uses AI to develop personalized learning games for math.
* **AI-powered accessibility tools**: AI-powered accessibility tools can make education and learning more accessible to students with disabilities and other special needs. For example, the company Kurzweil Education uses AI to develop text-to-speech and speech-to-text software for students with learning disabilities.
* **AI-powered grading systems**: AI-powered grading systems can automatically grade essays and other assignments, freeing up teachers to focus on other tasks. For example, the company Grammarly uses AI to develop an automated grading system for essays.

Artificial intelligence (AI) has the potential to **promote economic opportunity** in a number of ways, including:

* **Creating new jobs**: AI is already creating new jobs in sectors such as AI development, data science, and machine learning. As AI continues to develop, it is expected to create even more new jobs in a variety of sectors.
* **Automating tasks**: AI can automate many tasks that are currently performed by humans, freeing up workers to focus on more creative and productive activities. This can lead to higher productivity and economic growth.
* **Improving efficiency**: AI can help businesses to improve their efficiency by automating tasks and optimizing workflows. This can lead to lower costs and higher profits, which can benefit both businesses and workers.
* **Personalizing products and services**: AI can be used to personalize products and services to meet the individual needs of consumers. This can lead to increased consumer satisfaction and higher sales for businesses.
* **Expanding markets**: AI can help businesses to expand into new markets by making it easier to translate languages and customize products and services for different cultures. This can lead to increased sales and revenue for businesses.

Here are some specific examples of how AI is being used to promote economic opportunity today:

* **AI-powered platforms for freelancers and gig workers**: AI-powered platforms such as Upwork and Fiverr connect freelancers and gig workers with clients all over the world. This makes it easier for people to find work and to earn a living.
* **AI-powered recruitment tools**: AI-powered recruitment tools can help businesses to identify and hire the best candidates for open positions. This can help businesses to save time and money, and to improve the quality of their workforce.
* **AI-powered customer service tools**: AI-powered customer service tools can help businesses to provide better customer service by automating tasks and providing personalized support to customers. This can lead to increased customer satisfaction and loyalty.
* **AI-powered marketing tools**: AI-powered marketing tools can help businesses to reach their target audience more effectively and to track the results of their marketing campaigns. This can lead to increased sales and revenue for businesses.
* **AI-powered financial services**: AI-powered financial services such as micro-lending and robo-advisors can make financial services more accessible and affordable for individuals and small businesses. This can help people to start businesses and to grow their wealth.

Artificial intelligence (AI) has the potential to promote social justice and equity in a number of ways, including:

* **Identifying and combating bia**s: AI can be used to identify and combat bias in datasets and algorithms. This can help to reduce discrimination and promote fairness in areas such as hiring, lending, and criminal justice.
* **Promoting access to opportunities**: AI can be used to promote access to opportunities for marginalized and underprivileged groups. For example, AI-powered chatbots can be used to provide legal advice and assistance to low-income individuals, and AI-powered education platforms can be used to provide personalized learning experiences to students from all backgrounds.
* **Promoting accountability**: AI can be used to promote accountability for human rights abuses and other social injustices. For example, AI-powered image analysis tools can be used to identify human rights abuses in satellite imagery, and AI-powered text analysis tools can be used to identify hate speech and other harmful content on social media.
* **Empowering marginalized groups**: AI can be used to empower marginalized groups by giving them a voice and a platform to share their stories. For example, AI-powered translation tools can be used to translate languages so that people from different cultures can communicate with each other, and AI-powered social media platforms can be used to connect marginalized groups with each other and with allies.

Here are some specific examples of how AI is being used to promote social justice and equity today:

* **AI-powered tools for identifying and combating bias in hiring**: AI-powered tools such as Textio and GapJumpers can help businesses to identify and reduce bias in their job descriptions and hiring processes.
* **AI-powered platforms for providing legal aid to low-income individuals**: AI-powered platforms such as Legal Robot and LawGeex can provide legal advice and assistance to low-income individuals who would otherwise not have access to legal representation.
* **AI-powered education platforms for personalized learning**: AI-powered education platforms such as Knewton and DreamBox Learning can provide personalized learning experiences to students from all backgrounds.
* **AI-powered image analysis tools for identifying human rights abuses**: AI-powered image analysis tools such as Amnesty International's Detective and WITNESS's WITNESS Media Lab are being used to identify human rights abuses in satellite imagery.
* **AI-powered text analysis tools for identifying hate speech and other harmful content**: AI-powered text analysis tools such as Facebook's Hate Speech Detection system and Twitter's Hateful Conduct Policy are being used to identify hate speech and other harmful content on social media.
* **AI-powered translation tools for empowering marginalized groups**: AI-powered translation tools such as Google Translate and Microsoft Translator are being used to translate languages so that people from different cultures can communicate with each other.
* **AI-powered social media platforms for connecting marginalized groups**: AI-powered social media platforms such as Nextdoor and Meetup are being used to connect marginalized groups with each other and with allies.