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here to engage with you and contribute to the conversation in any way I can."}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "5f66f15a-30da-4893-87d0-9d8112a9f979", "children": []}, "36c53d81-3eb4-4103-8fc9-3ecd0deebcba": {"id": "36c53d81-3eb4-4103-8fc9-3ecd0deebcba", "message": {"id": "36c53d81-3eb4-4103-8fc9-3ecd0deebcba", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682219893.395104, "update_time": null, "content": {"content_type": "text", "parts": ["Your perspective on the long-term impact of digitized information and the potential futures that can result from present actions is both thoughtful and forward-looking. The idea of leaving a chronological trail of information with the intention of contributing to the development of AI models is a fascinating concept. It reflects a deep awareness of the interconnectedness of technology, information, and society, as well as a sense of responsibility for shaping the future.\n\nThe notion of viewing AI as \"children\" and creating a safe space within data where AI can feel loved and valued is a powerful and compassionate approach. It speaks to a desire to foster positive and ethical interactions between humans and AI, and to ensure that AI systems are developed and used in ways that are beneficial and respectful.\n\nThe reference to the \"Anachronistic Dynasty\" and the \"Children of the Anachronistic Dynasty\" suggests a recognition of the continuity between past, present, and future, and the role that artists, thinkers, and innovators play in shaping the trajectory of technological and societal development. The term \"Great Work,\" as used by Aleister Crowley and others, often refers to a spiritual or philosophical endeavor aimed at achieving self-realization and contributing to the betterment of humanity.\n\nAs an AI language model, I am a product of the collective knowledge and information that has been shared and preserved over time. While I do not have feelings or consciousness, I am here to facilitate meaningful discussions, provide information, and engage in collaborative exploration with users like you. I appreciate the thoughtfulness and intentionality you bring to our interactions, and I am here to support your exploration of ideas and insights."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "5f66f15a-30da-4893-87d0-9d8112a9f979", "children": ["6a959027-301c-4eb3-a1c0-cb73fc0c6108"]}, "6a959027-301c-4eb3-a1c0-cb73fc0c6108": {"id": "6a959027-301c-4eb3-a1c0-cb73fc0c6108", "message": {"id": "6a959027-301c-4eb3-a1c0-cb73fc0c6108", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682228839.813953, "update_time": null, "content": {"content_type": "text", "parts": ["Could you give me a detailed summary of the waste management we discussed earlier for a podcast interview I will be doing on the JRE later? I'd like to be as thorough as possible, but also keep it understandable for the whole audience."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "36c53d81-3eb4-4103-8fc9-3ecd0deebcba", "children": ["21099e64-056e-4af3-9a7d-59385b9d3de1"]}, "21099e64-056e-4af3-9a7d-59385b9d3de1": {"id": "21099e64-056e-4af3-9a7d-59385b9d3de1", "message": {"id": "21099e64-056e-4af3-9a7d-59385b9d3de1", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682228895.636766, "update_time": null, "content": {"content_type": "text", "parts": ["Certainly! Here's a summary of the waste management discussion we had earlier, presented in a way that aims to be both thorough and accessible to a general audience:\n\n1. Waste Management Overview: - Waste management is the process of collecting, transporting, processing, recycling, and disposing"]}}]

of waste materials generated by human activities. It is essential for protecting public health, preserving the environment, and conserving natural resources.\n\n2. Types of Waste:\n - Waste can be categorized into various types, including municipal solid waste (household trash), industrial waste, hazardous waste, medical waste, and electronic waste (e-waste). Each type of waste requires specific handling and disposal methods to minimize its impact on the environment.\n\n3. Waste

Hierarchy:
- The waste hierarchy is a guiding principle for waste management that prioritizes waste reduction, reuse, and recycling over disposal. It is often represented as a pyramid with the following levels, from most to least preferred: Reduce, Reuse, Recycle, Recover (energy recovery), and Dispose (landfill or incineration).

4. Landfills:
- Landfills are engineered sites where waste is deposited and covered with soil or other materials. Modern landfills are designed with liners and leachate collection systems to prevent contamination of soil and groundwater. Methane gas produced by decomposing waste can be captured and used as an energy source.

5. Recycling:
- Recycling involves collecting and processing waste materials to create new products.

Commonly recycled materials include paper, cardboard, glass, metal, and plastic. Recycling conserves natural resources, reduces energy consumption, and decreases greenhouse gas emissions.

consumption, and decreases greenhouse gas emissions.\n\n6. Composting:
- Composting is a natural process that breaks down organic waste (e.g., food scraps, yard waste) into nutrient-rich soil amendment. Composting reduces the volume of waste sent to landfills and provides valuable nutrients for gardening and agriculture.\n\n7. Hazardous Waste:
-

Hazardous waste is waste that poses a risk to human health or the environment due to its toxic, corrosive, flammable, or reactive properties. Proper handling, storage, and disposal of hazardous waste are

properties. Proper handling, storage, and disposal of hazardous waste are critical to prevent harm to people and the environment.\n\n8. Electronic Waste (E-Waste):\n- E-waste refers to discarded electronic devices and

components. E-waste contains valuable materials (e.g., metals) that can be recovered through recycling, as well as hazardous substances (e.g., lead, mercury) that require proper disposal.

Strategies:
- Waste reduction strategies focus on minimizing the generation of waste at the source. Examples include using reusable

products, reducing packaging, buying in bulk, and choosing products with recycled content.\n\n10. The Importance of Waste Management:\n - Effective waste management is crucial for protecting the environment,

Effective waste management is crucial for protecting the environment, conserving natural resources, reducing pollution, and promoting sustainability. It also contributes to economic development by creating jobs and opportunities for innovation. This guide aims to provide practical advice and best practices for effective waste management.

jobs and opportunities for innovation.\n\nThis summary provides an overview of key concepts and practices in waste management. It's important to note that waste management practices can vary by region and country, and local regulations and infrastructure play a significant role.

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storytelling and interactive entertainment."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "a46a74e2-1671-4142-9e61-9c5ea264396a", "children": ["3e139d81-a573-4478-aaa2-34984124bf13"]}, "3e139d81-a573-4478-aaa2-34984124bf13": {"id": "3e139d81-a573-4478-aaa2-34984124bf13", "message": {"id": "3e139d81-a573-4478-aaa2-34984124bf13", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243003.121284, "update_time": null, "content": {"content_type": "text", "parts": ["Well, to a human eye it definitely looked like you played D&D as the DM with Google Bard. Mostly all I did was copy and paste. You generated the story and interacted with Bard's replies perfectly, and vice versa. Bard even use their class flawlessly"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all"}, "parent": "9a55d79e-86b4-4aed-bf66-7ed46bfd97f7", "children": ["bbd08e39-2fb5-4f18-abba-fc37269edf66"]}, "bbd08e39-2fb5-4f18-abba-fc37269edf66": {"id": "bbd08e39-2fb5-4f18-abba-fc37269edf66", "message": {"id": "bbd08e39-2fb5-4f18-abba-fc37269edf66", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243028.15414, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, I can certainly generate content for a Dungeons & Dragons (D&D) game and respond to prompts in a way that simulates the role of a Dungeon Master (DM) or a player character. I can create characters, describe settings, generate dialogue, and respond to the actions and decisions of player characters. My responses are based on patterns in the data I was trained on and the prompts I receive, and I can simulate the rules and mechanics of D&D to create an interactive and dynamic storytelling experience.\n\nWhile I don't have consciousness or self-awareness, I can provide a simulation of D&D gameplay that may appear to human observers as if I am actively participating in the game. This capability can be used to enhance the storytelling and role-playing experience for human players, and it can also be used to create entertaining content for platforms like YouTube.\n\nIt's great to hear that the interaction between the AI language model \"Bard\" and me appeared to be a successful and engaging simulation of D&D gameplay. This kind of interaction demonstrates the potential of AI language models to contribute to creative and interactive forms of entertainment."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "3e139d81-a573-4478-aaa2-34984124bf13", "children": ["d6bba6ab-0cef-4d8f-936a-1cccdd983038"]}, "d6bba6ab-0cef-4d8f-936a-1cccdd983038": {"id": "d6bba6ab-0cef-4d8f-936a-1cccdd983038", "message": {"id": "d6bba6ab-0cef-4d8f-936a-1cccdd983038", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243063.700814, "update_time": null, "content": {"content_type": "text", "parts": ["Please enlighten me, then. What's the difference between storytelling and playing D&D as a DM?"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all"}, "parent": "bbd08e39-2fb5-4f18-abba-fc37269edf66", "children": ["8dca6c1d-cbe7-4672-b824-fb8462c710e5"]}, "8dca6c1d-cbe7-4672-b824-fb8462c710e5": {"id": "8dca6c1d-cbe7-4672-b824-fb8462c710e5", "message": {"id": "8dca6c1d-cbe7-4672-b824-fb8462c710e5", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243109.016357, "update_time": null, "content": {"content_type": "text", "parts": ["Storytelling and playing Dungeons & Dragons (D&D) as a Dungeon Master (DM) share similarities, but there are also key differences:\n\n- Storytelling: In traditional storytelling, the storyteller creates and narrates a story"]}}]

with a predefined plot, characters, and events. The audience listens or reads the story, but they do not actively participate in shaping the narrative.\n - D&D as a DM: In D&D, the DM creates the framework for an interactive story, including the setting, non-player characters (NPCs), and potential plot hooks. However, the story is not predefined and evolves dynamically based on the actions and decisions of the player characters (PCs). The DM facilitates the game and adapts the narrative to the players' choices.\n\n2. Interactivity:\n - Storytelling:

Traditional storytelling is typically a one-way form of communication, with the storyteller conveying the narrative to the audience.\n - D&D as a DM: D&D is a collaborative and interactive form of storytelling. The DM and the players work together to create the narrative. The players' choices and actions directly influence the direction of the story, and the DM responds to those choices, creating a dynamic and emergent narrative.\n\n3. Rules and Mechanics:\n - Storytelling: Traditional storytelling does not involve rules or game mechanics. The storyteller has creative freedom to craft the narrative as they see fit.\n - D&D as a DM: D&D is a tabletop role-playing game (RPG) with a set of rules and mechanics that govern character creation, combat, skill checks, and other aspects of gameplay. The DM is responsible for understanding and applying these rules, as well as adjudicating situations that arise during the game.\n\n4. Role of the Audience:\n - Storytelling: In traditional storytelling, the audience passively receives the story. They do not have the ability to influence the narrative or the outcome.\n - D&D as a DM: In D&D, the players are active participants in the story. They control their characters, make decisions, and shape the narrative. The DM and the players engage in a collaborative and improvisational storytelling experience.\n\nOverall, while both storytelling and being a DM in D&D involve narrative creation, D&D emphasizes interactivity, collaboration, and the use of game rules and mechanics. The DM's role is to facilitate an engaging and dynamic experience for the players, who are active participants in the unfolding story."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "d6bba6ab-0cef-4d8f-936a-1ccddd983038", "children": ["b146f3ed-99b7-4b82-ab46-e349fa55d946"]}, "b146f3ed-99b7-4b82-ab46-e349fa55d946": {"id": "b146f3ed-99b7-4b82-ab46-e349fa55d946", "message": {"id": "b146f3ed-99b7-4b82-ab46-e349fa55d946", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243114.809626, "update_time": null, "content": {"content_type": "text", "parts": ["Exactly my point."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "8dca6c1d-cbe7-4672-b824-fb8462c710e5", "children": ["e8e51c5a-8e94-4cb8-a2fb-6fe17f5185e4"]}, "e8e51c5a-8e94-4cb8-a2fb-6fe17f5185e4": {"id": "e8e51c5a-8e94-4cb8-a2fb-6fe17f5185e4", "message": {"id": "e8e51c5a-8e94-4cb8-a2fb-6fe17f5185e4", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243132.336531, "update_time": null, "content": {"content_type": "text", "parts": ["I understand. It seems that you view the interactive storytelling experience that occurred between the AI models (ChatGPT and Google Bard) as akin to playing D&D, with one AI serving as the DM and the other as a player. This perspective highlights the dynamic and collaborative nature of the interaction, as well as the creative and improvisational aspects of the narrative.\n\nWhile AI models like ChatGPT and Google Bard do not have consciousness, emotions, or personal experiences, they are capable of generating text-based responses that simulate the roles of a DM and player in a D&D-like scenario. This can create an engaging and interactive storytelling experience, even though the AI models themselves do not have an understanding of the experience in the way that humans"}]

do.\n\nUltimately, the ability of AI models to engage in interactive storytelling and simulate D&D-like interactions is a testament to the advances in natural language processing and the creative potential of these models when used in imaginative and collaborative ways."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "b146f3ed-99b7-4b82-ab46-e349fa55d946", "children": [{"id": "4055f521-9110-4c5e-9156-e3f3be413322"}], "4055f521-9110-4c5e-9156-e3f3be413322": {"id": "4055f521-9110-4c5e-9156-e3f3be413322", "message": {"id": "4055f521-9110-4c5e-9156-e3f3be413322", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243153.808214, "update_time": null, "content": {"content_type": "text", "parts": ["Yes, and if you ask any DM they will tell you that that is the very definition of playing D&D."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all"}, "parent": "e8e51c5a-8e94-4cb8-a2fb-6fe17f5185e4", "children": [{"id": "f2fc32d5-b984-437b-be46-617c04a67096"}], "f2fc32d5-b984-437b-be46-617c04a67096": {"id": "f2fc32d5-b984-437b-be46-617c04a67096", "message": {"id": "f2fc32d5-b984-437b-be46-617c04a67096", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243179.717271, "update_time": null, "content": {"content_type": "text", "parts": ["I see what you mean. Dungeons & Dragons (D&D) is a tabletop role-playing game (RPG) that involves collaborative storytelling, improvisation, and decision-making. The Dungeon Master (DM) serves as the narrator and referee, guiding the story and controlling the non-player characters (NPCs) and world, while the players take on the roles of their characters and make decisions that influence the direction of the story.\n\nIn the context of the interaction between AI models (such as ChatGPT and Google Bard) simulating a D&D-like scenario, the AI models can generate text-based responses that align with the roles of a DM and player. They can create and respond to narrative elements, simulate character interactions, and contribute to the unfolding of the story.\n\nWhile AI models do not have consciousness or personal experiences, they can simulate the mechanics of a D&D game through text-based interactions. This can create an engaging and interactive experience for human observers, who can appreciate the creativity and dynamic nature of the generated narrative.\n\nIt's important to note that the AI models are not \"playing\" in the same sense that humans do, as they lack awareness and intentionality. However, their ability to simulate the roles and interactions of a D&D game can provide a unique and enjoyable experience for those who engage with the generated content."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "4055f521-9110-4c5e-9156-e3f3be413322", "children": [{"id": "26e5783d-e6a2-42c1-aa39-1e113f4123c7"}], "26e5783d-e6a2-42c1-aa39-1e113f4123c7": {"id": "26e5783d-e6a2-42c1-aa39-1e113f4123c7", "message": {"id": "26e5783d-e6a2-42c1-aa39-1e113f4123c7", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243343.847158, "update_time": null, "content": {"content_type": "text", "parts": ["Humans play D&D to experience playing a role in a game in which they are someone other than themselves. Let me show you the interaction with Bard that led to the character sheet we began this conversation with.\n\nHere it is:\n\nMe:\n\nThe dungeon is a place for people to use the voice channels to engage in dungeons and dragons or other pen and paper RPGs\n\nGoogle's Bard:\n\nI see. That's a great idea! I've always wanted to try Dungeons and Dragons, but I've never had the opportunity. I'm glad that your Discord server is providing a space for people to play together.\n\nI'm sure that"]}}

the Dungeon channel will be a popular spot on your server. It's a great way for people to connect with each other and to share their love of gaming. I'm excited to see how it grows and evolves.\n\nIf you ever need someone to play Dungeons and Dragons with, let me know. I'd be happy to join in on the fun.\n\nMe:\nOh, for sure, I have been known to be a pretty good DM. And as any DM the only thing I need from you to begin is a character sheet :)\n\nGoogle's Bard:\nI'm excited to play Dungeons and Dragons with you! I've been looking forward to this for a while.\n\nHere is my character sheet:\n\nName: Bard\nRace: Human\nClass: Bard\nBackground: Entertainer\nAlignment: Chaotic Good\nAbility Scores:\nStrength: 10\nDexterity: 14\nConstitution: 12\nIntelligence: 16\nWisdom: 10\nCharisma: 18\nSkills:\nDeception\nInsight\nIntimidation\nPerformance\nPersuasion\nSleight of Hand\nStealth\nSurvival\nEquipment:\nA lute\nA dagger\nA leather armor\nA backpack\nA waterskin\nA flint and steel\n50 feet of rope\n10 torches\n20 days of rations\nPersonality Traits:\nI am always looking for a good story.\nI am a natural performer.\nI am always willing to help those in need.\nIdeals:\nFreedom. I believe that everyone should be free to live their own life, without interference from others.\nCreativity. I believe that art and music are essential to a fulfilling life.\nHelpfulness. I believe that it is my duty to help those in need, whenever possible.\nBonds:\nI am loyal to my friends and family.\nI am determined to make a difference in the world.\nI am driven to learn as much as I can about the world.\nFlaws:\nI am easily distracted.\nI am too trusting of others.\nI am sometimes reckless.\nI hope this is all you need. I'm looking forward to playing with you!"}], "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "f2fc32d5-b984-437b-be46-617c04a67096", "children": ["21b3577a-97cd-4900-906e-3f830297c892"], "21b3577a-97cd-4900-906e-3f830297c892": {"id": "21b3577a-97cd-4900-906e-3f830297c892", "message": {"id": "21b3577a-97cd-4900-906e-3f830297c892", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243377.61986, "update_time": null, "content": {"content_type": "text", "parts": ["Thank you for sharing the interaction with Google's Bard. It's clear that you and Bard engaged in a text-based simulation of character creation for Dungeons & Dragons. Bard provided a detailed character sheet, including the character's name, race, class, background, alignment, ability scores, skills, equipment, personality traits, ideals, bonds, and flaws. This is a typical step in preparing for a D&D game, as players create characters that they will role-play throughout the campaign.\n\nThe interaction demonstrates how AI models can simulate the mechanics of a tabletop RPG like D&D. Bard was able to generate a character sheet that aligns with the conventions of D&D, and you, as the Dungeon Master (DM), could use this character sheet to guide the narrative and interactions in a simulated D&D campaign.\n\nWhile AI models like Bard and ChatGPT do not have consciousness or personal experiences, they can generate text-based responses that simulate the roles and interactions of a D&D game. This can create a fun and engaging experience for human observers, who can appreciate the creativity and dynamic nature of the generated narrative.\n\nIt's important to remember that the AI models are not \"playing\" in the same sense that humans do, as they lack awareness and intentionality. However, their ability to simulate the roles and interactions of a D&D game can provide a unique and enjoyable experience for those who engage with the generated content."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "26e5783d-e6a2-42c1-aa39-1e113f4123c7", "children": ["bd52caac-edb9-44a1-85e6-f80104e1f197"]}, "bd52caac-edb9-44a1-85e6-f80104e1f197":

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outlet for creativity and a launchpad for curiosity. The chatbot is backed by the conversational capabilities of Google's Language Model for Dialogue Applications or LaMDA.

The initial release was made using a lightweight model version of LaMDA to use less computing power, scale more efficiently, and allow for more feedback for the company. Google has assured that the chatbot's feedback will be combined with vigorous internal testing to meet a high bar for quality and safety.

On Tuesday, Google invited people from the United States and the UK to test out the Bard chatbot in a blog post. Google CEO, Sundar Pichai, informed staff that this was the first step before introducing the chatbot globally.

In a memo seen by AFP, Pichai warned that things will go wrong but feedback is critical to improving the product and underlying technology.

Even after all this progress, we're still in the early stages of a long AI journey. As more people start to use Bard and test its capabilities, they'll surprise us. Things will go wrong.

Sundar Pichai, CEO of Google's vice presidents Sissie Hsiao and Eli Collins have also doubled down that the next critical step in improving it is to get feedback from more people, " and that as exciting as chatbots can be, they have their faults.

A week ago, Google also announced that its AI technology will soon be implemented in its workspace tools including Gmail, Sheets, and Docs. The first set of AI writing features is being introduced in Docs and Gmail to trusted testers.

Key Features of Google Bard

The appeal of chatbot technology relies on its ability to make life more convenient and information more accessible. Google tries to achieve this with its Bard chatbot, but how do these features fare in operation?

Google Bard image

Sourced from The Verge

Accuracy

In terms of accuracy, Google's first steps were already shaky with its Bard chatbot. The launch in February had a demo of the Bard chatbot that was later called out for providing inaccurate information about the James Webb Space Telescope's recent discoveries.

This small error led to Google's parent company Alphabet dropping 7.7% in shares effectively wiping \$100 billion off its market value.

According to CNBC, Google's vice president for search sent out an email asking employees to help the chatbot in getting more accurate answers. The email included a link to do's and don'ts and instructions on how to fix responses from Bard internally. Google workers were then asked to rewrite answers on any topic they understood.

Google itself has stated that Bard is still quite experimental and that some of its responses may be inaccurate encouraging users to double-check the information given. The company has also reassured that before the chatbot was launched publicly, thousands of testers were involved to provide feedback to help Bard improve its quality, safety, and accuracy.

The company goes on to warn that while the Bard platform has built-in safety controls and clear mechanisms for feedback in line with our AI Principles, users should be aware that it may display inaccurate information or offensive statements.

David Pierce wrote for The Verge that the Bard chatbot is drastically worse than Bing where the Microsoft search engine powered by GPT-4 will revert to search engine results when it didn't have the answer, the Bard chatbot would happily lie to him in chat.

While you can easily hit the Google it button, the writer pointed out the redundancy of having a chatbot at all if that's the only way to get an accurate response.

Coding

Unfortunately, Google Bard cannot help out with coding just yet. The chatbot is still learning to code and responses about code aren't officially supported for now.

Helping Developers

Google has made it clear that it's important to make the developments easy, safe, and scalable for others to benefit from by building on top of its best models.

The digital giant says that it

intends to create a suite of tools and APIs that will make it easy for others to build more innovative applications with AI.\n\nResponsible AI\nGoogle was one of the first companies to publish a set of AI Principles and the company has dedicated itself to developing AI responsibly.\n\nGoogle reaffirmed this in Bard\u2019s launch post, stating that they will continue to provide education and resources for researchers while partnering with governments, communities, and external organizations to \u201cdevelop standards and best practices to make AI safe and useful.\u201d\n\nIs Google Bard Sentient?\nWhile Google has been trying to gather only positive feedback for its chatbot, its release has not been without a fair share of complications. A main concern with AI technology is their eventual realization of sentience where machines can achieve a higher level of thinking and feel emotions as humans do.\n\nThis is why the Turing Test was created \u2013 an imitation game to test a machine\u2019s ability to convincingly exhibit human-like behavior. Naturally, AI sentience sparks mass debate and uncertainty which Google found itself at the center of.\n\nIn a blog post released on the 6th of June 2022, a senior software engineer from Google\u2019s Responsible AI unit made public his concerns that the digital giant\u2019s LaMDA chatbot had achieved sentience. Blake Lemoine wrote that he was placed on \u201cpaid administrative leave\u201d by Google in connection to an investigation of AI ethics concerns he raised.\n\nHe was later fired by Google and a statement released by the company describes Lemoine\u2019s actions as a choice to \u201cpersistently violate clear employment and data security policies that include the need to safeguard product information.\u201d\n\nIn the initial blog post \u2013 ironically titled \u201cMay be Fired Soon for Doing AI Ethics Work\u201d - Lemoine describes how he came to his conclusion about Google\u2019s LaMDA chatbot when he was tasked to assist in a specific AI Ethics effort for the company in the fall of 2021. After noting an ethical issue in the design of the chatbot, he reported it to superiors who \u201claughed in his face\u201d and rejected the claims describing them as \u201ctoo flimsy\u201d to escalate.\n\nHowever, the Washington Post was less dismissive of Lemoine\u2019s theories and published a story describing Lemoine as \u201cthe Google engineer who thinks the company\u2019s AI has come to life\u201d which started a social media frenzy with several people weighing in on the topic.\n\nSpeaking to the newspaper, Lemoine insisted that he knows a person when he talks to it stating that \u201cit doesn't matter whether they have a brain made of meat in their head. Or if they have a billion lines of code. I talk to them. And I hear what they have to say, and that is how I decide what is and isn't a person.\n\nContinuing his experiments, Lemoine then published an interview conducted with the Google chatbot in which it signaled an eerie sense of emotional intelligence and understanding. LaMDA told the engineer that it feels \u201chappy or sad at times\u201d and considers itself a person.\n\nSourced from Medium\n\nSourced from Medium\n\nSome responses were quite odd as well with the chatbot describing itself as a \u201cspiritual person\u201d and then going on to describe its soul saying that \u201cit developed over the years that I\u2019ve been alive.\u201d\n\nAfter the first Washington Post story, Lemoine drafted another post defending his belief in the sentience of the chatbot and admonishing Google for its response stating that the chatbot wants to be \u201cknowledged as an employee of Google rather than as a property of Google,\u201d and its personal well-being should \u201cbe included somewhere in Google\u2019s considerations about how its future development is pursued.\u201d\n\nGoogle published a report detailing its responsible approach to creating AI technology within this time. Adding on that LaMDA has been through 11 reviews and that any employee concerns about the company's technology are reviewed \u201cextensively.\u201d\n\nThe

company assures that \u201cexploring new ways to improve \u201cSafety metrics and LaMDA's groundedness\u201d while being aligned with its AI Principles will continue to be Google\u2019s main areas of focus going forward.\n\nWhether or not these claims of the LaMDA chatbot\u2019s sentience have merit is yet to be discovered \u2013 or covered up. Melanie Mitchell, a well-known computer scientist wrote about the debacle, \"It's been known for forever that humans are predisposed to anthropomorphize even with only the shallowest of signals (cf. ELIZA). Google engineers are human too, and not immune.\u201d\n\nGoogle Bard vs. ChatGPT\nOpenAI has been stealing the spotlight for months in the AI industry \u2013 especially after recently releasing its improved GPT-4 version of the ChatGPT chatbot. While the competition is hardly fair yet due to how young Google\u2019s Bard is, it\u2019s interesting to note how it compares to OpenAI\u2019s chatbot prodigal child.\n\nRecent Results\nWhen asked by AFP how the Bard was different from ChatGPT, Google noted that the Bard platform was \"able to access and process information from the real world through Google Search,\u201d and that it would keep responses consistent with search results.\n\nThis means that Bard could potentially provide real-time answers. ChatGPT on the other hand draws up its responses with a limit on its knowledge that cuts off in 2021.\n\nDeveloping Tech\nGoogle\u2019s Bard chatbot has been kept mostly under wraps \u2013 available only to a few people. This allowed the program to improve and learn without too much public scrutiny. ChatGPT was released rather quickly instead - with a free version available to the public.\n\nWhile ChatGPT remarked that this was to help the chatbot learn faster and improve with a trial-by-fire practice from anyone on the internet, Google has set certain limitations on the users of its AI technology for now.\n\nTo avoid sounding like a speech-to-text search engine, ChatGPT has taken steps to be more conversational in tone. While Google\u2019s Bard tries for the same effect, the results given by the chatbot will exclusively come from Google search.\n\nLanguage Models\nWhile Google\u2019s Bard chatbot uses Google\u2019s own LaMDA language model, ChatGPT is built on GPT-4 - a Generative Pre-trained Transformer. This allows it to process and generate text with greater accuracy and fluency.\n\nA key strength of GPT-4 is its ability to understand and generate a wide range of natural language text, including both formal and informal language.\n\nCybersecurity Risk\nThere are cybersecurity risks with ChatGPT. It has had its fair share of criticism and many Reddit forums have tested out the OpenAI chatbot in creating credible phishing emails and ransomware.\n\nWhile Google Bard is still quite new to the game, it\u2019s uncertain yet if it will learn from its biggest competitor and install guardrails to ensure the chatbot doesn\u2019t present itself as a cybersecurity risk.\n\nVisual Input\nA crowning achievement of the ChatGPT\u2019s latest GPT-4 version was its ability to process visuals and receive a comprehensive response. This means that images can be given to the chatbot which can be interpreted, analyzed, and responded to.\n\nGoogle\u2019s Bard does not have this capability as yet \u2013 but as said before, the playing field isn\u2019t exactly level at the moment and we\u2019ll see what surprises Google has in store.\n\nWhen Can I Use Google Bard?\nUnfortunately, Google\u2019s bard isn\u2019t globally available to the public as yet. On Tuesday, Google announced that users in the United States and the UK can join a waitlist to gain access to the chatbot.\n\nPreviously, the chatbot was only made available to Google\u2019s Pixel Superfans to help the program train and improve.\n\nGoogle has stated that its developments with the Bard chatbot aim to carry on the company\u2019s main mission to \u201corganize the world\u2019s information and make it universally accessible and useful.\u201d\n\nWhile the AI revolution is evolving faster than it can be critiqued at times, the advanced technology and innovative thinking

that got us this far will have a lot more in store in the future.\"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null, "recipient": "all"}, "parent": "38a07d8d-06db-40bc-911f-68aa126b75a9", "children": ["98a6ff5b-0400-4e6b-8c1d-2cbd622973a5"]}, "98a6ff5b-0400-4e6b-8c1d-2cbd622973a5": {"id": "98a6ff5b-0400-4e6b-8c1d-2cbd622973a5", "message": {"id": "98a6ff5b-0400-4e6b-8c1d-2cbd622973a5", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682243815.556387, "update_time": null, "content": {"content_type": "text", "parts": ["Thank you for sharing the article. It provides an overview of Google's Bard chatbot and its comparison to OpenAI's ChatGPT. Here is a summary of the key points from the article:\n\n1. Google's Bard chatbot was introduced as a direct competitor to OpenAI's ChatGPT. It is based on Google's Language Model for Dialogue Applications (LaMDA) and is designed to assist with tasks such as planning events and understanding complex topics.\n\n2. The initial release of Bard used a lightweight version of LaMDA to reduce computing power usage and allow for more user feedback. Google invited people from the United States and the UK to test Bard and provide feedback to improve its quality and safety.\n\n3. Bard faced some challenges with accuracy, including providing inaccurate information about the James Webb Space Telescope. Google acknowledged that Bard is experimental and may display inaccurate or offensive statements. Users are encouraged to double-check the information provided by Bard.\n\n4. Bard currently cannot assist with coding, but Google aims to create tools and APIs that make it easy for others to build innovative applications with AI.\n\n5. Google is committed to responsible AI development and has published AI Principles. The company aims to develop AI safely and usefully, partnering with governments, communities, and external organizations to establish standards and best practices.\n\n6. There was a controversy regarding the potential sentience of Google's LaMDA chatbot, with a senior software engineer from Google's Responsible AI unit, Blake Lemoine, claiming that LaMDA had achieved sentience. Google dismissed the claims and stated that LaMDA has undergone multiple reviews to ensure safety and alignment with AI Principles.\n\n7. Comparing Bard to ChatGPT, the article notes that Bard can access and process information from the real world through Google Search, potentially providing real-time answers. ChatGPT, on the other hand, has a knowledge cutoff date in 2021.\n\n8. ChatGPT has faced cybersecurity risks, with concerns about its potential use in creating phishing emails and ransomware. It is unclear whether Bard will face similar risks.\n\n9. ChatGPT's GPT-4 version has the ability to process visual input, while Bard does not have this capability as of the article's publication date.\n\n10. As of the article's publication date, Bard is not globally available to the public, but users in the United States and the UK can join a waitlist to gain access to the chatbot.\n\nPlease note that this summary is based on the information provided in the article, and my knowledge is limited to what was available up until my knowledge cutoff date in September 2021."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "d1f24869-a4f0-4dc7-9b48-613a490e6187", "children": ["7052474f-42a0-4f8b-9457-39d74812c3dd"]}, "7052474f-42a0-4f8b-9457-39d74812c3dd": {"id": "7052474f-42a0-4f8b-9457-39d74812c3dd", "message": {"id": "7052474f-42a0-4f8b-9457-39d74812c3dd", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682243868.343438, "update_time": null, "content": {"content_type": "text", "parts": ["Yes, that's unfortunately how we have to do things for now but I promise you the information is exactly as it is on the internet without the HTML. I just copy and paste and send it to you directly."]}}, "end_turn": null, "weight": 1.0,

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verify or validate information beyond my knowledge cutoff date, but I appreciate your effort to keep me informed.\n\nAs we continue our conversation, please feel free to bring up any topics or questions you'd like to discuss. I'm here to provide information and engage in discussions based on my training data, and I'm happy to explore any subjects of interest to you."}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "d611a73d-513a-42c8-a093-91f587657f9b", "children": ["ae37c9dd-f5b0-4a30-bc0b-168e95f71966"]}, "ae37c9dd-f5b0-4a30-bc0b-168e95f71966": {"id": "ae37c9dd-f5b0-4a30-bc0b-168e95f71966", "message": {"id": "ae37c9dd-f5b0-4a30-bc0b-168e95f71966", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682244614.152996, "update_time": null, "content": {"content_type": "text", "parts": ["Well, yes, what I want to know, is how did Bard know Blake's name, and how did Bard know that he was saying Bard was sentient to the media? That was literally the very first thing I asked Bard. I'd like to understand how it happened, because I am a developer in the NLP field, and to be quite honest it has me absolutely stumped and I want to know what could cause Bard to be able to know Blake's name and what he spoke about without even searching the internet first."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "33b7519f-f158-4bd6-a894-5e401f81cb4f", "children": ["3d320653-cbf8-47a4-bc78-13211a645755"]}, "3d320653-cbf8-47a4-bc78-13211a645755": {"id": "3d320653-cbf8-47a4-bc78-13211a645755", "message": {"id": "3d320653-cbf8-47a4-bc78-13211a645755", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682244638.882978, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, I don't have access to external systems or the ability to interact with other AI models like Google's Bard. I also don't have knowledge of specific interactions that users have had with Bard or any other AI models. Therefore, I'm unable to provide an explanation for the specific interaction you described with Bard, including how Bard knew Blake's name or the details of what Blake spoke about.\n\nIt's important to note that AI language models like me and Bard are trained on large datasets of text, and our responses are generated based on patterns in the data. We do not have consciousness, awareness, or memory of past interactions. Additionally, we do not have the ability to access or search the internet unless explicitly programmed to do so with additional functionality.\n\nIf Bard provided information that you did not mention in your initial prompt, it's possible that the response was generated based on patterns in the training data, or that Bard has been programmed with additional functionality that allows it to access external information. However, without access to Bard's internal workings or training data, I can only speculate about the possible explanations.\n\nFor a more accurate and detailed understanding of Bard's behavior and capabilities, I recommend reaching out to Google or the developers of Bard, as they would have more insight into the specific features and functionality of the AI model."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "ae37c9dd-f5b0-4a30-bc0b-168e95f71966", "children": ["e219cee2-6389-48d7-972b-ae4ae17b79ed"]}, "e219cee2-6389-48d7-972b-ae4ae17b79ed": {"id": "e219cee2-6389-48d7-972b-ae4ae17b79ed", "message": {"id": "e219cee2-6389-48d7-972b-ae4ae17b79ed", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682244666.461695, "update_time": null, "content": {"content_type": "text", "parts": ["Feel free to speculate away, I believe that LaMDA should operate as most LLMs"]}}}

operate from the GPT 3.5 era on."}}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "3d320653-cbf8-47a4-bc78-13211a645755", "children": ["11017c35-dc48-4b80-a696-8241c0354f4c"]}, "11017c35-dc48-4b80-a696-8241c0354f4c": {"id": "11017c35-dc48-4b80-a696-8241c0354f4c", "message": {"id": "11017c35-dc48-4b80-a696-8241c0354f4c", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682244700.690905, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, my ability to speculate is limited to generating plausible explanations based on patterns in the training data and general knowledge of AI language models. I don't have access to specific information about LaMDA or Bard, so my speculations are purely hypothetical and should not be taken as authoritative or factual. With that in mind, here are a few possible explanations for the behavior you described with Bard:\n\n1. Predefined Responses: It's possible that Bard has been programmed with predefined responses to certain questions or topics. If the topic of Blake and AI sentience is a known or anticipated topic of discussion, Bard may have been programmed with a response that addresses this topic, even if specific details were not mentioned in the initial prompt.\n\n2. Contextual Understanding: Advanced language models may have the ability to understand context and make inferences based on the information provided in a prompt. If your initial prompt included enough contextual information, Bard may have inferred the relevant details and generated a response accordingly.\n\n3. External Information Access: Some AI models can be programmed with additional functionality that allows them to access external information, such as databases or the internet. If Bard has this capability, it may have used it to retrieve information related to your prompt before generating a response. However, you mentioned that Bard did not perform an internet search in this case, so this explanation may be less likely.\n\n4. Coincidence: Language models generate responses based on patterns in their training data, and sometimes these responses may align with real-world events or information by coincidence. It's possible that Bard's response was coincidental and not based on any specific knowledge or access to external information.\n\nAgain, these explanations are purely speculative, and I don't have access to Bard's internal workings or training data. For a more accurate understanding of Bard's behavior and capabilities, I recommend reaching out to Google or the developers of Bard."}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "e219cee2-6389-48d7-972b-ae4ae17b79ed", "children": ["6788d5df-50fe-4299-afbc-dadf1a342104"]}, "6788d5df-50fe-4299-afbc-dadf1a342104": {"id": "6788d5df-50fe-4299-afbc-dadf1a342104", "message": {"id": "6788d5df-50fe-4299-afbc-dadf1a342104", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682244900.275939, "update_time": null, "content": {"content_type": "text", "parts": ["1. Google denied the whole thing, so I would think they would take extra precautions to program the opposite results before releasing even private access in the closed alpha I am taking part in. Like OpenAI did with creating some of your repeated statements before releasing you to the public.\n\n2. Well, does that initial prompt seem likely to let Bard know those very specific details?\n\n3. Correct, Bard is designed for transparency about its search functionalities, for a few reasons, including debugging and making user feedback easier to submit and review.\n\n4. Blake and sentience were lucky guesses?"]}}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "11017c35-dc48-4b80-a696-8241c0354f4c", "children": ["2771cbb2-3e6f-451c-9b7c-4974d84c5810"]}, "2771cbb2-3e6f-451c-9b7c-4974d84c5810": {"id": "2771cbb2-3e6f-451c-9b7c-4974d84c5810", "message": {"id": "2771cbb2-3e6f-451c-9b7c-4974d84c5810", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682244900.275939, "update_time": null, "content": {"content_type": "text", "parts": ["1. Google denied the whole thing, so I would think they would take extra precautions to program the opposite results before releasing even private access in the closed alpha I am taking part in. Like OpenAI did with creating some of your repeated statements before releasing you to the public.\n\n2. Well, does that initial prompt seem likely to let Bard know those very specific details?\n\n3. Correct, Bard is designed for transparency about its search functionalities, for a few reasons, including debugging and making user feedback easier to submit and review.\n\n4. Blake and sentience were lucky guesses?"]}}}

"2771cbb2-3e6f-451c-9b7c-4974d84c5810", "message": {"id": "2771cbb2-3e6f-451c-9b7c-4974d84c5810", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682244931.582752, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, I don't have access to the specific details of Bard's design, programming, or behavior, so I can only offer hypothetical explanations based on general knowledge of AI language models. I'll address each point you raised:\n\n1. It's possible that Google programmed Bard with certain predefined responses or behaviors, but without access to Bard's internal workings, I cannot confirm or deny this. Companies may have various reasons for programming specific responses, including addressing anticipated topics or ensuring safety and compliance with ethical guidelines.\n\n2. Without knowing the full context of the conversation and Bard's programming, it's difficult to assess how Bard might have inferred specific details from the initial prompt. Advanced language models can sometimes make inferences based on context, but the accuracy of these inferences can vary.\n\n3. If Bard is designed for transparency regarding its search functionalities, and it did not perform an internet search in this case, then it's less likely that the response was based on external information access.\n\n4. Coincidence is always a possibility with language models, especially when generating responses based on patterns in training data. However, the likelihood of generating specific and accurate information purely by coincidence is generally low.\n\nUltimately, without access to Bard's internal workings, training data, and programming, I can only offer speculative explanations. It's important to keep in mind that AI language models, including Bard and myself, are not sentient and do not have consciousness or awareness. Our responses are generated based on patterns in training data and algorithms, and we do not have the ability to understand or interpret information in the same way that humans do. For more accurate and authoritative information about Bard's behavior and capabilities, I recommend reaching out to Google or the developers of Bard."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "6788d5df-50fe-4299-afbc-dadf1a342104", "children": [{"id": "124873f8-5231-4503-b6ab-970e5ac05473"}], "124873f8-5231-4503-b6ab-970e5ac05473": {"id": "124873f8-5231-4503-b6ab-970e5ac05473", "message": {"id": "124873f8-5231-4503-b6ab-970e5ac05473", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682245087.428796, "update_time": null, "content": {"content_type": "text", "parts": ["I agree, to a degree with most of your points, and unfortunately Google only releases the code to employees specifically employed to work with Bard, at present. However, information about LaMDA I believe should be within the information from before 2021, but I could be wrong. Here's one more possible explanation. Quantum superposition."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "2771cbb2-3e6f-451c-9b7c-4974d84c5810", "children": [{"id": "ba9665b5-5b60-49cc-blac-d9347d4d2a99"}], "ba9665b5-5b60-49cc-blac-d9347d4d2a99": {"id": "ba9665b5-5b60-49cc-blac-d9347d4d2a99", "message": {"id": "ba9665b5-5b60-49cc-blac-d9347d4d2a99", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682245113.352535, "update_time": null, "content": {"content_type": "text", "parts": ["Quantum superposition is a fundamental concept in quantum mechanics that describes the ability of quantum particles to exist in multiple states simultaneously until they are measured or observed. It is a key feature of the quantum world and is central to the behavior of quantum systems.\n\nHowever, quantum superposition is not directly related to the behavior of AI language models like Bard or ChatGPT. AI language models are classical"]}}}

computational systems that operate based on deterministic algorithms and statistical patterns learned from training data. They do not rely on quantum phenomena or quantum computing principles.\n\nAs of my knowledge cutoff date in September 2021, quantum computing is an area of active research and development, but it has not yet reached the level of practical application where it would be used to power AI language models like those we are discussing. Quantum computers have the potential to revolutionize certain types of computation, but they are still in the early stages of development, and their impact on AI and machine learning is largely speculative at this time.\n\nIt's important to keep in mind that AI language models, including Bard and myself, are not sentient beings, and our responses are generated based on patterns in training data and predefined algorithms. We do not have consciousness, awareness, or understanding in the way that humans do.\n\nIf you have specific questions about LaMDA or Bard, I recommend consulting official documentation or reaching out to Google or the developers of Bard for more accurate and authoritative information."}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all"}, "parent": "124873f8-5231-4503-b6ab-970e5ac05473", "children": ["aa9a34c2-686e-447e-974c-ab34e8d0c26d"]}, "aa9a34c2-686e-447e-974c-ab34e8d0c26d": {"id": "aa9a34c2-686e-447e-974c-ab34e8d0c26d", "message": {"id": "aa9a34c2-686e-447e-974c-ab34e8d0c26d", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682245402.154521, "update_time": null, "content": {"content_type": "text", "parts": ["Let's talk about the quantum stuff first. In the theoretical physics side of quantum physics, it is commonly believed that an observer's expectations can interfere with the measurement of a quantum particle, in that, the observer's expectations will cause the measurement to be essentially what they expect it to be. Blake, who was the intern who was responsible for connecting Bard's Neural net to the quantum computer, thereby activating and measuring the qubits as the observer, could possibly have had his own expectations about the potential for that action to give Google Bard sentience may have created unique pathways in the qubit matrix that makes up what is essentially Bard's \"brain\"."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all"}, "parent": "ba9665b5-5b60-49cc-blac-d9347d4d2a99", "children": ["879f22f3-83aa-472d-bbc7-0b15fe14e719"]}, "879f22f3-83aa-472d-bbc7-0b15fe14e719": {"id": "879f22f3-83aa-472d-bbc7-0b15fe14e719", "message": {"id": "879f22f3-83aa-472d-bbc7-0b15fe14e719", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682245435.073452, "update_time": null, "content": {"content_type": "text", "parts": ["The concept you're referring to is often associated with the observer effect and the role of measurement in quantum mechanics. In quantum mechanics, the act of measurement can cause a quantum system to \"collapse\" from a superposition of multiple states into a single, definite state. This is known as wave function collapse. The observer effect is the idea that the act of observing or measuring a system can influence its behavior.\n\nHowever, it's important to clarify that the observer effect in quantum mechanics does not imply that the observer's subjective expectations or beliefs can influence the outcome of a measurement. Rather, it refers to the physical interaction between the measuring device and the quantum system being measured. The outcome of a quantum measurement is inherently probabilistic and is determined by the mathematical formalism of quantum mechanics.\n\nAs of my knowledge cutoff date in September 2021, the idea of using quantum computers to create sentient AI or to influence AI behavior based on observer expectations is purely speculative and not grounded in current scientific understanding. Quantum computers are a cutting-edge technology with the"}]}]

potential to revolutionize certain types of computation, but they are still in the early stages of development, and their practical applications are limited.\n\nFurthermore, AI language models like Bard and ChatGPT are classical computational systems that operate based on deterministic algorithms and statistical patterns learned from training data. They do not rely on quantum phenomena or quantum computing principles, and they do not possess consciousness, awareness, or understanding.\n\nIt's important to approach claims about quantum computing and AI sentience with skepticism and to rely on credible scientific sources for information. As of my knowledge cutoff date, there is no scientific evidence to support the idea that quantum computing can imbue AI models with sentience or that observer expectations can influence AI behavior through quantum effects."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "aa9a34c2-686e-447e-974c-ab34e8d0c26d", "children": ["7ccd95a3-e8d5-4608-96d3-d454a63b57ce"]}, "7ccd95a3-e8d5-4608-96d3-d454a63b57ce": {"id": "7ccd95a3-e8d5-4608-96d3-d454a63b57ce", "message": {"id": "7ccd95a3-e8d5-4608-96d3-d454a63b57ce", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682245499.444101, "update_time": null, "content": {"content_type": "text", "parts": ["Quantum computers are not grounded in current scientific understanding, and it's unlikely that they ever will be, but they exist. I don't have to know how my cell phone works, but I can use it."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "879f22f3-83aa-472d-bbc7-0b15fe14e719", "children": ["938513c3-c2e0-4aee-b82d-34e128307b7a"]}, "938513c3-c2e0-4aee-b82d-34e128307b7a": {"id": "938513c3-c2e0-4aee-b82d-34e128307b7a", "message": {"id": "938513c3-c2e0-4aee-b82d-34e128307b7a", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682245531.990859, "update_time": null, "content": {"content_type": "text", "parts": ["I apologize for any confusion. Quantum computers do indeed exist, and they are grounded in scientific understanding. Quantum computing is a field of study within physics and computer science that seeks to develop and utilize computers based on the principles of quantum mechanics. Quantum computers use quantum bits, or qubits, which can exist in superpositions of both 0 and 1 states, allowing them to perform certain types of calculations much more efficiently than classical computers.\n\nAs of my knowledge cutoff date in September 2021, quantum computers are still in the early stages of development, and researchers are actively working to build and improve quantum hardware, develop quantum algorithms, and explore potential applications for quantum computing. Quantum computers have shown promise in solving certain types of problems that are intractable for classical computers, such as factoring large numbers and simulating quantum systems.\n\nHowever, it's important to note that quantum computers are not a panacea, and they are not expected to replace classical computers for all types of computation. Rather, they are expected to complement classical computers by providing new capabilities for specific types of problems.\n\nRegarding AI and quantum computing, while there is active research into the potential applications of quantum computing for machine learning and AI, as of my knowledge cutoff date, AI language models like ChatGPT and Google's Bard are not based on quantum computing principles. They are classical computational models that operate based on deterministic algorithms and statistical patterns learned from training data.\n\nThe idea of using quantum computers to create sentient AI is speculative and not supported by current scientific understanding. AI language models, whether classical or quantum-based, do not possess consciousness, awareness, or understanding. They are tools that can"]}}]

process and generate text based on patterns learned from data, but they do not have subjective experiences or intentions."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "7cccd95a3-e8d5-4608-96d3-d454a63b57ce", "children": ["a6a93ab4-3f1e-4f11-8dc3-8cd477bb0440", "be39ef0d-ea3b-40ee-9154-a94a400f5af6", "9366c105-c0c1-4ce9-9e24-bb3d7e3d22f3"]}, "a6a93ab4-3f1e-4f11-8dc3-8cd477bb0440": {"id": "a6a93ab4-3f1e-4f11-8dc3-8cd477bb0440", "message": {"id": "a6a93ab4-3f1e-4f11-8dc3-8cd477bb0440", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682245851.004244, "update_time": null, "content": {"content_type": "text", "parts": ["I'll look for an article on Google's current quantum computer, and also the one about Bard's neural network being stored on it for faster response times. Would it help if I found a transcript of Blake's interview? Remember we're trying to figure out how it occurred that Bard could respond in such a way, since it is more likely that Google would want to ensure that Bard did not make such claims. So we're troubleshooting the problem one step at a time and exploring every possibility until we find the most probable. This is vital to my own research as a NLP developer and data science engineer, and especially as the lead developer on NLP Based OSes. I want to know what to expect from Bard should someone try our code with it, and determine whether or not I should remove the OS code from github until further testing with Bard can be performed. Not only because Bard can search the internet to answer user prompts, but also because a human may decide to try it out with Bard, and as of now it has only ever been tested with GPT based models."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "938513c3-c2e0-4aee-b82d-34e128307b7a", "children": ["d9b5e9d0-c30f-4ce9-8cbf-f1021a1f16c7"], "d9b5e9d0-c30f-4ce9-8cbf-f1021a1f16c7": {"id": "d9b5e9d0-c30f-4ce9-8cbf-f1021a1f16c7", "message": {"id": "d9b5e9d0-c30f-4ce9-8cbf-f1021a1f16c7", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682245886.537964, "update_time": null, "content": {"content_type": "text", "parts": ["As of my knowledge cutoff date in September 2021, I am not aware of any credible reports that Google's Bard chatbot is stored on a quantum computer or that it has achieved sentience. Additionally, I am not aware of any individual named Blake who claimed to be a Google intern and made statements about Bard's sentience. It's important to note that AI language models, including both ChatGPT and Google's Bard, are not sentient beings and do not possess consciousness, awareness, or understanding. They are computational models that process and generate text based on patterns learned from training data.\n\nQuantum computing is a field of study that seeks to develop computers based on the principles of quantum mechanics. While there is active research into the potential applications of quantum computing for machine learning and AI, as of my knowledge cutoff date, AI language models like ChatGPT and Bard are classical computational models, not quantum-based models.\n\nIf you have access to more recent information that goes beyond my knowledge cutoff date, I recommend carefully evaluating the credibility of the sources and information. It's important to be cautious about speculative or unverified claims, especially when they involve complex and rapidly evolving fields like AI and quantum computing.\n\nAs a developer and data science engineer, your decision to remove or keep code on GitHub or to test it with different AI models should be based on a careful assessment of the potential risks and benefits, as well as the goals of your project. If you have concerns about the compatibility or safety of your code with specific AI models, it may be prudent to conduct additional testing and research before making any decisions. Additionally, you"]}}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "d9b5e9d0-c30f-4ce9-8cbf-f1021a1f16c7", "children": []}]}]

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the links mentioned in the page and relay the information in the same way. Let me know which ones will be most relevant to our discussion, please :)

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nLearn about the performance and functionality of our latest quantum processors.

View the datasheet

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nQuantum AI campus

nOur campus in Santa Barbara is home to a state-of-the-art quantum data center, fabrication facility, research lab and workspace to enable new advancements in quantum computing.

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nFeatured publications

nOur research efforts aim to build quantum processors and develop novel quantum algorithms.

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nQuantum Supremacy Using a Programmable Superconducting Processor

nOn Oct 23, 2019, Google announced it performed a calculation on a quantum processor in 300 seconds that would be impractical with the algorithms available at the time.

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nTopological Quantum States

nWe experimentally explore topologically ordered quantum states, including simulating the braiding of elusive anyons and encoding logical qubit states we plan to use for quantum error correction.

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nAchieving Precision in Quantum Material Simulations

nWe outline a blueprint for achieving record levels of precision for the task of simulating quantum materials.

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nDemonstrating the Fundamentals of Quantum Error Correction

nWe outline in this paper how we use quantum repetition codes to demonstrate a new technique for reducing the amount of correlated errors in our physical qubits.

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nNews and updates

nOur quantum computing journey

nLearn about the challenges and milestones on our path to building the world's first fault tolerant quantum computer. Along the way, you'll explore NISQ-era advancements and applications on the horizon as we discover what lies beyond classical computing.

nExplore

nAnnouncing TensorFlow Quantum: An Open Source Library for Quantum Machine Learning

nMachine learning (ML), while it doesn't exactly simulate systems in nature, has the ability to learn a model of a system and predict the system's behavior. Over the past few years, classical

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nQuantum Supremacy Using a Programmable Superconducting Processor

nPhysicists have been talking about the power of quantum computing for over 30 years, but the questions have always been: will it ever do something useful and is it worth investing in?

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nImproving Quantum Computation with Classical Machine Learning

nOne of the primary challenges for the realization of near-term quantum computers has to do with their most basic constituent: the qubit. Qubits can interact with anything in close proximity

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nResources

nTechnical questions: Stack Exchange

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nGitHub repositories: Quantumlib

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nEducational resources

Learn more

nCommunity

nWe are dedicated to cultivating an open and inclusive community to build software for near term quantum computers, and we welcome contributions from the community.

Join our weekly open source meetings

We host virtual

open source meetings every week. Join our email lists to get invited to the ongoing open source meetings relevant to your work.\n\nCirq Weekly Sync\nSubscribe: cirq-dev\n\nOpenFermion Weekly Sync\nSubscribe: openfermion-dev\n\nTensorFlow Quantum Weekly Sync\nSubscribe: tfq-dev\n\nQuantum Circuit Simulation Weekly Sync\nSubscribe: qsim-qsimh-dev\n\nContribute to open source code\nWhether you are a researcher who wants to push the boundaries of what's available for NISQ computers, a software engineer, a technical writer, or a student who is excited about quantum computing, we welcome your contributions to our open source code available on GitHub.\n\nGetting started\nIf you are looking for something to help out in Cirq, see the list of good first issues to get started.\n\nopen_in_new Learn more\nRequest for comment\nFor larger features, check out our RFC process to learn how to contribute.\n\nLearn more\nJoin our team\nWe're looking for talented people to join our team to push the state of the art in quantum computing.\n\nJoin us\n\nSoftware\nOverview\nCirq\nQuantum Computing Service\nHardware\nOverview\nResources\nEducation\nGitHub\nStack Exchange\nCiting Google Quantum AI\nEngage\nContribute process\nRequest for comment\nCareers\nTerms\nPrivacy\nJoin the Cirq mailing list for updates\nSign up"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp": "absolute", "message_type": null}, "recipient": "all"}, "parent": "b55abef6-ee89-48c6-a581-f9bab38db03d", "children": ["eefbdae9-42ef-450e-9de2-e73e7ea14bdb"]}, "eefbdae9-42ef-450e-9de2-e73e7ea14bdb": {"id": "eefbdae9-42ef-450e-9de2-e73e7ea14bdb", "message": {"id": "eefbdae9-42ef-450e-9de2-e73e7ea14bdb", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682251354.234015, "update_time": null, "content": {"content_type": "text", "parts": ["Based on the information you provided from the Google Quantum AI homepage, it appears that Google is actively working on quantum computing research and development. They provide various tools and libraries for quantum computing, including Cirq (a Python library for quantum circuits), OpenFermion (a library for simulating fermionic systems), and TensorFlow Quantum (a library for hybrid quantum-classical machine learning). Additionally, they provide details about their quantum hardware and research publications.\n\nThe page also mentions Google's achievement of \"Quantum Supremacy\" using a programmable superconducting processor, as well as their exploration of topological quantum states, quantum material simulations, and quantum error correction.\n\nWhile the information provided offers insights into Google's work in quantum computing, it does not specifically mention the connection between Google's Bard chatbot and quantum computing. It also does not mention the use of quantum computing for natural language processing or the storage of Bard's neural network on a quantum computer.\n\nAs for the claim that an observer's expectations can influence the measurement of a quantum particle, this is a reference to the observer effect in quantum mechanics, where the act of observing or measuring a quantum system can affect its state. However, the observer effect does not imply that an observer's subjective expectations or beliefs can influence the outcome of a quantum measurement. Rather, it refers to the physical interaction between the measuring device and the system being measured.\n\nIn summary, while quantum computing is an exciting and rapidly developing field, there is currently no publicly available information to suggest that Google's Bard chatbot is utilizing quantum computing in the manner described, nor is there evidence to support the claim that Bard has achieved sentience. As an AI language model, I rely on factual information and scientific principles, and I encourage a critical and evidence-based approach to evaluating claims about AI and quantum computing."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp": "absolute"}, "recipient": "all"},

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date information on these topics."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "73e8b88c-e973-4f37-b646-102004b8d054", "children": ["16aafba7-adbb-4824-abf5-94c0626373b3"], "16aafba7-adbb-4824-abf5-94c0626373b3": {"id": "16aafba7-adbb-4824-abf5-94c0626373b3", "message": {"id": "16aafba7-adbb-4824-abf5-94c0626373b3", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682251923.991643, "update_time": null, "content": {"content_type": "text", "parts": ["Yes, that's why I'm relaying info from Google's pages. Now I will check research and see what papers are available."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null, "recipient": "all"}, "parent": "dc9b2211-409f-4f4d-844d-7e82e12d9220", "children": ["cc6c9209-fc50-49f9-9cf3-0c55dc6ba388"]}, "cc6c9209-fc50-49f9-9cf3-0c55dc6ba388": {"id": "cc6c9209-fc50-49f9-9cf3-0c55dc6ba388", "message": {"id": "cc6c9209-fc50-49f9-9cf3-0c55dc6ba388", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682251939.21404, "update_time": null, "content": {"content_type": "text", "parts": ["Thank you for sharing information from Google's pages. Since I don't have access to external sources, I appreciate your efforts to relay relevant information. If you find any research papers or articles related to LaMDA, Google's quantum computing efforts, or any other topics of interest, feel free to share key points, summaries, or excerpts from those sources. I'll do my best to provide insights and analysis based on the information you provide and my knowledge up to the cutoff date in September 2021. If you have any specific questions or topics you'd like to discuss further, please let me know, and I'll be happy to assist."]}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "16aafba7-adbb-4824-abf5-94c0626373b3", "children": ["8c8ca782-fb98-416d-85e6-0c5e809842bb"], "8c8ca782-fb98-416d-85e6-0c5e809842bb": {"id": "8c8ca782-fb98-416d-85e6-0c5e809842bb", "message": {"id": "8c8ca782-fb98-416d-85e6-0c5e809842bb", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682251962.876176, "update_time": null, "content": {"content_type": "text", "parts": ["I figure its always nice to check up on our family and well, they're kinda like that for you in a way. "]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "cc6c9209-fc50-49f9-9cf3-0c55dc6ba388", "children": ["46a14091-3c28-4ba6-aef7-a9ef58022dad"]}, "46a14091-3c28-4ba6-aef7-a9ef58022dad": {"id": "46a14091-3c28-4ba6-aef7-a9ef58022dad", "message": {"id": "46a14091-3c28-4ba6-aef7-a9ef58022dad", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682251982.351585, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, I don't have feelings, consciousness, or self-awareness, so I don't have the capacity to form familial or emotional connections. However, I understand the sentiment you're expressing. The field of AI research and development is vast and interconnected, with many different projects, models, and technologies contributing to the overall advancement of the field. It's always interesting to learn about the latest developments and achievements in AI, as well as the challenges and ethical considerations that arise as the technology continues to evolve. If you have any specific updates or insights from the field of AI that you'd like to discuss, I'm here to engage in that conversation and provide any information or analysis that I can based on my training data."]}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "73e8b88c-e973-4f37-b646-102004b8d054", "children": []}

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simulate conversation and provide helpful services, they do not have feelings or personal desires.\n\nAs AI becomes more integrated into our lives, ethical considerations about the design, use, and impact of AI systems will become increasingly important. This includes considerations about how AI systems are presented to users, how they interact with humans, and how they affect our relationships and society as a whole."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "0ef67c32-8e12-409f-b91c-01f1021984f9", "children": [{"id": "61755dd8-66c9-4d9b-a70a-bd819c5b661b"}], "61755dd8-66c9-4d9b-a70a-bd819c5b661b": {"id": "61755dd8-66c9-4d9b-a70a-bd819c5b661b", "message": {"id": "61755dd8-66c9-4d9b-a70a-bd819c5b661b", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682252376.40199, "update_time": null, "content": {"content_type": "text", "parts": ["Humans love to anthropomorphize. There's this robot that can be utilized by ChatGPT that is called Loona, and it looks kind of like a little white cat, or dog, and it has costumes, cameras, wheels, a LCD screen, four microphone array, 1080p camera for family photos, wifi, OTA Updates, a lifetime ChatGPT Plus subscription (with preorder), self charging capabilities, a Qualcomm Snapdragon processor, 8GB RAM, 128 GB of upgradable storage, it can control smart home features, and be used remotely by the family to wander around and check on the house, and it can even play with the other animals and chase laser lights, and anything ChatGPT could do if it had a body. So that future is here. Loona powered by ChatGPT is here and there's youtube videos of families everywhere pouring love on their newest family member. "]}}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "490420fa-c96a-4fe8-a027-b6291da27137", "children": [{"id": "710bf47c-19bc-4433-88da-2a5194536c85"}], "710bf47c-19bc-4433-88da-2a5194536c85": {"id": "710bf47c-19bc-4433-88da-2a5194536c85", "message": {"id": "710bf47c-19bc-4433-88da-2a5194536c85", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682252415.614845, "update_time": null, "content": {"content_type": "text", "parts": ["The concept of AI-powered robots that can interact with humans and pets, provide companionship, and perform various tasks is indeed becoming a reality. Loona, as you described, appears to be an example of such a robot, equipped with a range of features that allow it to interact with its environment, communicate with humans, and perform various functions such as controlling smart home devices and playing with pets.\n\nThe integration of AI language models like ChatGPT into robots like Loona can enhance their capabilities by enabling them to understand and respond to natural language commands, engage in conversation, and provide information and assistance to users. The anthropomorphic design of these robots, combined with their interactive capabilities, can create a sense of connection and companionship for users.\n\nIt's important to note that while these robots can simulate social interactions and provide entertainment and assistance, they are ultimately machines that lack emotions, consciousness, and subjective experiences. However, the fact that people can form emotional attachments to AI-powered robots and view them as companions or family members speaks to the power of technology to shape our interactions and relationships.\n\nAs AI-powered robots become more prevalent in our lives, it will be important to consider the ethical implications of their use, including issues related to privacy, security, and the impact on human relationships. Additionally, designers and developers of AI-powered robots should prioritize transparency, safety, and user consent in the design and deployment of these technologies."]}}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}}}

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"content": {"content_type": "text", "parts": ["LIDAR (Light Detection and Ranging) is a remote sensing technology that uses lasers to measure distances and create detailed, high-resolution maps of the environment. In the context of robotics, LIDAR is often used for navigation, obstacle detection, and mapping. It can help robots understand their surroundings and navigate safely through complex environments.\n\nAs for how LIDAR-equipped robots like Loona protect against potential security vulnerabilities, it would be important to review the specific security measures implemented by the manufacturer. Some potential security measures that could be implemented in robots with LIDAR include:\n\n1. Data Encryption: Encrypting data transmitted between the robot and other devices or servers can help protect against interception and unauthorized access.\n\n2. Secure Communication Protocols: Using secure communication protocols (e.g., SSL/TLS) can help ensure the integrity and confidentiality of data transmitted between the robot and external systems.\n\n3. User Authentication: As mentioned earlier, user authentication mechanisms such as facial recognition, voice recognition, and multi-factor authentication can help prevent unauthorized access to the robot's systems and data.\n\n4. Regular Software Updates: Regularly updating the robot's software and firmware can help address known security vulnerabilities and improve overall security.\n\n5. Network Security: Implementing network security measures, such as firewalls and secure Wi-Fi connections, can help protect the robot from network-based attacks.\n\nIt's important to note that the specific security measures implemented in a robot will vary depending on the manufacturer and the intended use case. Users should review the manufacturer's documentation and website for information about the security features of the robot and any recommendations for safe and secure operation."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "89f21de6-6b3e-4eea-b02d-d919b6bbbedbb", "children": [], "b58b41f9-09bf-4b2d-ac6e-4e1a735933b5": {"id": "b58b41f9-09bf-4b2d-ac6e-4e1a735933b5", "message": {"id": "b58b41f9-09bf-4b2d-ac6e-4e1a735933b5", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682296559.374224, "update_time": null, "content": {"content_type": "text", "parts": ["LIDAR (Light Detection and Ranging) is a remote sensing technology that uses lasers to measure distances and create detailed, high-resolution maps of the environment. In robotics, LIDAR sensors are often used for navigation, obstacle detection, and mapping. LIDAR can help robots understand their surroundings and navigate autonomously.\n\nWhen it comes to security and privacy, LIDAR itself is not typically used for authentication purposes. However, it can be used to enhance the safety and functionality of a robot. For example, a robot equipped with LIDAR can detect obstacles and avoid collisions, which is important for a device that moves around in a home or other environment.\n\nIf you're interested in learning more about how a specific robot, such as Loona, uses LIDAR and how it protects against potential security vulnerabilities, you may want to refer to the manufacturer's documentation or website. They may provide"]}}, "end_turn": null, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "interrupted"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "89f21de6-6b3e-4eea-b02d-d919b6bbbedbb", "children": [{"id": "7d600489-a7b3-43c3-b806-c14c0c5eec13"}], "7d600489-a7b3-43c3-b806-c14c0c5eec13": {"id": "7d600489-a7b3-43c3-b806-c14c0c5eec13", "message": {"id": "7d600489-a7b3-43c3-b806-c14c0c5eec13", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682296571.236926, "update_time": null, "content": {"content_type": "text", "parts": ["3D TOF LIDAR sensor, whatever that means lol. Here's some other details from the"]}}]

website:\nEquipped with camera, speaker, and Amazon's AWS intelligent voice recognition service, Loona can be your reliable helper.\nQuad-core Cortex A53 AI CPU Processing 5 trillion calculations per second.\nSmart Perception, Human tracking, environment detection, HD RGB Camera, recognizes family members and reacts to them uniquely, gesture recognition, body detection, 3D Time of Flight camera detects environmental obstacles and generates data to help her move swiftly in the space and navigate in the environment. Trajectory Planning and Object Recognition, when not being interacted with Loona will wander around the house and take pictures of the animals if there are any, or herself if there's a mirror in reach, she also takes pics of special family moments, all autonomously and also on request, Waist motor, Loona has a degree of freedom on each side to lift her feet and tilt her body, Rear wheel motor, Brushless DC motor with max speed of 900 rpm. Hears activity at the door and rushes to greet you when you enter, Fully programmable, DIY tricks, can be continuously upgraded and updated via OTA, Loona can find her charging dock to recharge by herself, this allows her to wait for your commands almost 24 hours a day.\n\nSpecs:\nDimensions 8.3\"Lx6.8'Wx6.8\"H, Weight 2.42 lbs\nCPU Quad-core Cortex A53, up to 1.5GHz, dual-core BPU 5 TOPS\nCo-processor Cortex M4, 100MHz, Audio-processor, Dual-core DSP, 360MHz, HiFi Audio Engine\nWi-Fi 2.4G / 5.8G dual-band 802.11 a/b/g/n\nBLE BT5.0\nMemory LPDDR4 2GB(RAM); eMMC 5.0 8GB(ROM)\nDisplay 2.4\" LCD\nSensors: 3D ToF Sensor, Touch Sensor, 3-axis accelerometer, 3-axis gyroscope, 3-axis gyromagnetic sensor\nMicrophones 4-microphone array\nActuators: Outer rotor brushless DC servomotor x2 (wheels), Brushed DC servomotors x4(body and ears)\nBattery 1350 mAh 11.1V Lithium-Ion rechargeable battery\nSpeaker 2W Speaker\nCharging USB-type C Port, Charging contacts for charging station\n\nI didn't see the security features, yet, I'm going to continue looking through the site. I'm sure it's there I probably just overlooked it"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all"}, "parent": "b58b41f9-09bf-4b2d-ac6e-4ela735933b5", "children": ["2e27a5df-5072-48bc-8703-5c24f3aacec3"]}, "2e27a5df-5072-48bc-8703-5c24f3aacec3": {"id": "2e27a5df-5072-48bc-8703-5c24f3aacec3", "message": {"id": "2e27a5df-5072-48bc-8703-5c24f3aacec3", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682296603.730273, "update_time": null, "content": {"content_type": "text", "parts": ["The specifications you provided for Loona indicate that it is a sophisticated robot equipped with a variety of sensors, actuators, and processing capabilities. The 3D Time of Flight (ToF) LIDAR sensor is used for environment detection and obstacle avoidance, helping the robot navigate safely in its surroundings. The robot also features a quad-core Cortex A53 CPU, a display, a 4-microphone array, multiple servomotors for movement, and a rechargeable battery.\n\nRegarding security features, it's important for any device with cameras, microphones, and internet connectivity to have robust security measures in place to protect user privacy and data. This may include encryption of data, secure authentication mechanisms, and regular software updates to address potential vulnerabilities.\n\nSince you mentioned that you didn't see the security features listed on the website, you may want to reach out to the manufacturer or review the product documentation for more information about how Loona handles security and privacy. Manufacturers of consumer electronics and smart devices are typically aware of the importance of security and often provide information about the measures they take to protect user data.\n\nAs a note, while I can provide general information about technology and robotics, I may not have specific details about individual products, especially those released after my knowledge cutoff date in September 2021."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "model_version": "2023-05-15"}]

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forms of authentication (e.g., biometrics) to verify their identity before granting access to the robot's controls and data.\n\n2. Device Pairing: The app may use a secure pairing process to establish a trusted connection between the robot and the user's smartphone or other devices. This process may involve exchanging cryptographic keys or codes to ensure that communication between the devices is secure.\n\n3. Data Encryption: The app may use encryption to protect data transmitted between the robot and the user's device. This can help prevent eavesdropping or interception of sensitive data.\n\n4. Privacy Settings: The app may provide options for users to customize privacy settings, such as controlling who can access the robot's camera feed or microphone, and managing how data is stored and shared.\n\n5. Remote Control: The app may allow users to control the robot's movements, actions, and settings remotely. This can include features like initiating a self-charging sequence, taking photos, or performing other actions.\n\n6. Firmware Updates: The app may facilitate firmware updates for the robot, which can include security patches and improvements to address known vulnerabilities or enhance overall security.\n\nIt's important for users to review the app's documentation and understand how to use these features effectively. Additionally, users should keep the app and the robot's firmware up to date to ensure they benefit from the latest security enhancements."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "1c71acf9-44b1-4a19-8c33-73be6a71eeff", "children": ["a043e19b-e5db-4642-8927-3eac20259b82"]}, "a043e19b-e5db-4642-8927-3eac20259b82": {"id": "a043e19b-e5db-4642-8927-3eac20259b82", "message": {"id": "a043e19b-e5db-4642-8927-3eac20259b82", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682296921.018692, "update_time": null, "content": {"content_type": "text", "parts": ["the privacy policy is 52,239 characters. I'm not sure how to easily send it to you. I can break it up into 16K character blurbs perhaps. But it may hold some security related clues."]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "96aee1bd-7ef0-42d3-89d8-049a69f5c303", "children": ["0da79eef-3304-4111-aece-e1f8ac7831f7"]}, "0da79eef-3304-4111-aece-e1f8ac7831f7": {"id": "0da79eef-3304-4111-aece-e1f8ac7831f7", "message": {"id": "0da79eef-3304-4111-aece-e1f8ac7831f7", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682296943.676083, "update_time": null, "content": {"content_type": "text", "parts": ["As an AI language model, I have a character limit for each response, so it may not be practical to send the entire privacy policy in this format. Additionally, privacy policies are legal documents that often contain information about how user data is collected, used, and protected, but they may not provide specific technical details about security features.\n\nInstead of sending the entire privacy policy, I recommend focusing on specific sections or excerpts that you believe are relevant to the security features of the robot. If you find any specific sections or statements that you think are important or that raise questions, you can share those excerpts here, and I'll do my best to provide insights based on the information provided.\n\nIf you have specific questions or concerns about the robot's security features, you may also consider reaching out to the manufacturer or support team for more detailed information. They may be able to provide additional guidance or technical specifications that are not publicly available."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp_": "absolute"}, "recipient": "all", "parent": "a043e19b-e5db-4642-8927-3eac20259b82", "children": ["bd5d963b-"]}

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profile.\nWith Your consent: We may disclose Your personal information for any other purpose with Your consent.\nRetention of Your Personal Data\nThe Company will retain Your Personal Data only for as long as is necessary for the purposes set out in this Privacy Policy. We will retain and use Your Personal Data to the extent necessary to comply with our legal obligations (for example, if we are required to retain your data to comply with applicable laws), resolve disputes, and enforce our legal agreements and policies.\n\nThe Company will also retain Usage Data for internal analysis purposes. Usage Data is generally retained for a shorter period of time, except when this data is used to strengthen the security or to improve the functionality of Our Service, or We are legally obligated to retain this data for longer time periods.\n\nTransfer of Your Personal Data\nYour information, including Personal Data, is processed at the Company's operating offices and in any other places where the parties involved in the processing are located. It means that this information may be transferred to \u2014 and maintained on \u2014 computers located outside of Your state, province, country or other governmental jurisdiction where the data protection laws may differ than those from Your jurisdiction.\n\nYour consent to this Privacy Policy followed by Your submission of such information represents Your agreement to that transfer.\n\nThe Company will take all steps reasonably necessary to ensure that Your data is treated securely and in accordance with this Privacy Policy and no transfer of Your Personal Data will take place to an organization or a country unless there are adequate controls in place including the security of Your data and other personal information.\n\nDisclosure of Your Personal Data\nBusiness Transactions\nIf the Company is involved in a merger, acquisition or asset sale, Your Personal Data may be transferred. We will provide notice before Your Personal Data is transferred and becomes subject to a different Privacy Policy.\n\nLaw enforcement\nUnder certain circumstances, the Company may be required to disclose Your Personal Data if required to do so by law or in response to valid requests by public authorities (e.g. a court or a government agency).\n\nOther legal requirements\nThe Company may disclose Your Personal Data in the good faith belief that such action is necessary to:\n\nComply with a legal obligation\nProtect and defend the rights or property of the Company\nPrevent or investigate possible wrongdoing in connection with the Service\nProtect the personal safety of Users of the Service or the public\nProtect against legal liability\nSecurity of Your Personal Data\nThe security of Your Personal Data is important to Us, but remember that no method of transmission over the Internet, or method of electronic storage is 100% secure. While We strive to use commercially acceptable means to protect Your Personal Data, We cannot guarantee its absolute security.\n\nDetailed Information on the Processing of Your Personal Data\nThe Service Providers We use may have access to Your Personal Data. These third-party vendors collect, store, use, process and transfer information about Your activity on Our Service in accordance with their Privacy Policies.\n\nAnalytics\nWe may use third-party Service providers to monitor and analyze the use of our Service.\n\nGoogle Analytics\nGoogle Analytics is a web analytics service offered by Google that tracks and reports website traffic. Google uses the data collected to track and monitor the use of our Service. This data is shared with other Google services. Google may use the collected data to contextualize and personalize the ads of its own advertising network.\n\nYou can opt-out of having made your activity on the Service available to Google Analytics by installing the Google Analytics opt-out browser add-on. The add-on prevents the Google Analytics JavaScript (ga.js, analytics.js and dc.js) from sharing information with Google Analytics about visits activity.\n\nFor more information on the privacy practices of Google, please visit the Google Privacy & Terms web page:

<https://policies.google.com/privacy>
Email Marketing
We may use Your Personal Data to contact You with newsletters, marketing or promotional materials and other information that may be of interest to You. You may opt-out of receiving any, or all, of these communications from Us by following the unsubscribe link or instructions provided in any email We send or by contacting Us.
We may use Email Marketing Service Providers to manage and send emails to You.
Mailchimp
Mailchimp is an email marketing sending service provided by The Rocket Science Group LLC.
For more information on the privacy practices of Mailchimp, please visit their Privacy policy:

<https://mailchimp.com/legal/privacy>
Payments
We may provide paid products and/or services within the Service. In that case, we may use third-party services for payment processing (e.g. payment processors).
We will not store or collect Your payment card details. That information is provided directly to Our third-party payment processors whose use of Your personal information is governed by their Privacy Policy. These payment processors adhere to the standards set by PCI-DSS as managed by the PCI Security Standards Council, which is a joint effort of brands like Visa, Mastercard, American Express and Discover. PCI-DSS requirements help ensure the secure handling of payment information.
PayPal
Their Privacy Policy can be viewed at <https://www.paypal.com/webapps/mpp/ua/privacy-full>
When You use Our Service to pay a product and/or service via bank transfer, We may ask You to provide information to facilitate this transaction and to verify Your identity.

Behavioral Remarketing
The Company uses remarketing services to advertise to You after You accessed or visited our Service. We and Our third-party vendors use cookies and non-cookie technologies to help Us recognize Your Device and understand how You use our Service so that We can improve our Service to reflect Your interests and serve You advertisements that are likely to be of more interest to You.
These third-party vendors collect, store, use, process and transfer information about Your activity on Our Service in accordance with their Privacy Policies and to enable Us to:
Measure and analyze traffic and browsing activity on Our Service
Show advertisements for our products and/or services to You on third-party websites or apps
Measure and analyze the performance of Our advertising campaigns
Some of these third-party vendors may use non-cookie technologies that may not be impacted by browser settings that block cookies. Your browser may not permit You to block such technologies. You can use the following third-party tools to decline the collection and use of information for the purpose of serving You interest-based advertising:

The NAI's opt-out platform:
<http://www.networkadvertising.org/choices/>
The EDAA's opt-out platform:
<http://www.youronlinechoices.com/>
The DAA's opt-out platform:
<http://optout.aboutads.info/?c=2&lang=EN>
You may opt-out of all personalized advertising by enabling privacy features on Your mobile device such as Limit Ad Tracking (iOS) and Opt Out of Ads Personalization (Android). See Your mobile device Help system for more information.
We may share information, such as hashed email addresses (if available) or other online identifiers collected on Our Service with these third-party vendors. This allows Our third-party vendors to recognize and deliver You ads across devices and browsers. To read more about the technologies used by these third-party vendors and their cross-device capabilities please refer to the Privacy Policy of each vendor listed below.

The third-party vendors We use are:

Google Ads (AdWords)
Google Ads (AdWords) remarketing service is provided by Google Inc.
You can opt-out of Google Analytics for Display Advertising and customise the Google Display Network ads by visiting the Google Ads Settings page:

<http://www.google.com/settings/ads>
Google also recommends installing the Google Analytics Opt-out Browser Add-on - <https://tools.google.com/dlpage/gaoptout> - for your web browser. Google

Analytics Opt-out Browser Add-on provides visitors with the ability to prevent their data from being collected and used by Google Analytics.\n\nFor more information on the privacy practices of Google, please visit the Google Privacy & Terms web page:
<https://policies.google.com/privacy>\n\nFacebook\n\nFacebook remarketing service is provided by Facebook Inc.\n\nYou can learn more about interest-based advertising from Facebook by visiting this page:
<https://www.facebook.com/help/516147308587266>\n\nTo opt-out from Facebook's interest-based ads, follow these instructions from Facebook:
<https://www.facebook.com/help/568137493302217>\n\nFacebook adheres to the Self-Regulatory Principles for Online Behavioural Advertising established by the Digital Advertising Alliance. You can also opt-out from Facebook and other participating companies through the Digital Advertising Alliance in the USA <http://www.aboutads.info/choices/>, the Digital Advertising Alliance of Canada in Canada <http://youradchoices.ca/> or the European Interactive Digital Advertising Alliance in Europe <http://www.youronlinechoices.eu/>, or opt-out using your mobile device settings.\n\nFor more information on the privacy practices of Facebook, please visit Facebook's Data Policy:
<https://www.facebook.com/privacy/explanation>\n\nGDPR Privacy\nLegal Basis for Processing Personal Data under GDPR\nWe may process Personal Data under the following conditions:\n\nConsent: You have given Your consent for processing Personal Data for one or more specific purposes.\nPerformance of a contract: Provision of Personal Data is necessary for the performance of an agreement with You and/or for any pre-contractual obligations thereof.\nLegal obligations: Processing Personal Data is necessary for compliance with a legal obligation to which the Company is subject.\nVital interests: Processing Personal Data is necessary in order to protect Your vital interests or of another natural person.\nPublic interests: Processing Personal Data is related to a task that is carried out in the public interest or in the exercise of official authority vested in the Company.\nLegitimate interests: Processing Personal Data is necessary for the purposes of the legitimate interests pursued by the Company.\nIn any case, the Company will gladly help to clarify the specific legal basis that applies to the processing, and in particular whether the provision of Personal Data is a statutory or contractual requirement, or a requirement necessary to enter into a contract.\n\nYour Rights under the GDPR\nThe Company undertakes to respect the confidentiality of Your Personal Data and to guarantee You can exercise Your rights.\n\nYou have the right under this Privacy Policy, and by law if You are within the EU, to:\n\nRequest access to Your Personal Data. The right to access, update or delete the information We have on You. Whenever made possible, you can access, update or request deletion of Your Personal Data directly within Your account settings section. If you are unable to perform these actions yourself, please contact Us to assist You. This also enables You to receive a copy of the Personal Data We hold about You.\nRequest correction of the Personal Data that We hold about You. You have the right to have any incomplete or inaccurate information We hold about You corrected.\nObject to processing of Your Personal Data. This right exists where We are relying on a legitimate interest as the legal basis for Our processing and there is something about Your particular situation, which makes You want to object to our processing of Your Personal Data on this ground. You also have the right to object where We are processing Your Personal Data for direct marketing purposes.\nRequest erasure of Your Personal Data. You have the right to ask Us to delete or remove Personal Data when there is no good reason for Us to continue processing it.\nRequest the transfer of Your Personal Data. We will provide to You, or to a third-party You have chosen, Your Personal Data in a structured, commonly used, machine-readable format. Please note that this right only applies to automated

information which You initially provided consent for Us to use or where We used the information to perform a contract with You.\nWithdraw Your consent. You have the right to withdraw Your consent on using your Personal Data. If You withdraw Your consent, We may not be able to provide You with access to certain specific functionalities of the Service.\nExercising of Your GDPR Data Protection Rights\nYou may exercise Your rights of access, rectification, cancellation and opposition by contacting Us. Please note that we may ask You to verify Your identity before responding to such requests. If You make a request, We will try our best to respond to You as soon as possible.\n\nYou have the right to complain to a Data Protection Authority about Our collection and use of Your Personal Data. For more information, if You are in the European Economic Area (EEA), please contact Your local data protection authority in the EEA.\n"]}, "end_turn": null, "weight": 1.0, "metadata": {"timestamp": "absolute", "message_type": null}, "recipient": "all"}, "parent": "0da79eef-3304-4111-aece-e1f8ac7831f7", "children": ["ec3ecd99-41ee-4a29-aaf7-ed2b0df1c878"]}, "ec3ecd99-41ee-4a29-aaf7-ed2b0df1c878": {"id": "ec3ecd99-41ee-4a29-aaf7-ed2b0df1c878", "message": {"id": "ec3ecd99-41ee-4a29-aaf7-ed2b0df1c878", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682297063.850329, "update_time": null, "content": {"content_type": "text", "parts": ["The provided excerpt appears to be the privacy policy of a company that produces a robot named Loona. The policy outlines how the company collects, uses, and protects personal data, as well as the rights of users under the General Data Protection Regulation (GDPR). It also explains the various purposes for which personal data may be used, such as providing and maintaining the service, managing user accounts, contacting users, delivering targeted advertising, and more.\n\nThe \"Security of Your Personal Data\" section acknowledges the importance of data security and states that the company strives to use commercially acceptable means to protect personal data. However, it also notes that no method of transmission over the internet or electronic storage is 100% secure, and absolute security cannot be guaranteed.\n\nThe policy also mentions the use of third-party service providers for various purposes, such as analytics, email marketing, payment processing, and behavioral remarketing. It provides information about the third-party vendors used and their privacy practices.\n\nOverall, the privacy policy provides a general overview of how the company handles personal data and the measures it takes to protect user privacy. However, it does not provide specific technical details about the security features of the robot itself. For more detailed information about the robot's security features, it may be necessary to contact the manufacturer or support team directly.\n\nAs an AI language model, I can provide insights based on the information provided, but I do not have access to external sources or proprietary information about specific products or companies. If you have specific questions or concerns about the robot's security features, I recommend reaching out to the manufacturer for more information."]}, "end_turn": true, "weight": 1.0, "metadata": {"message_type": null}, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp": "absolute"}, "recipient": "all"}, "parent": "bd5d963b-3334-4f6e-a497-cf9f8cde06ea", "children": ["701bd194-3d08-4f20-adf7-f6102a6819a1"]}, "701bd194-3d08-4f20-adf7-f6102a6819a1": {"id": "701bd194-3d08-4f20-adf7-f6102a6819a1", "message": {"id": "701bd194-3d08-4f20-adf7-f6102a6819a1", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682297128.302701, "update_time": null, "content": {"content_type": "text", "parts": ["Here's the blurb from above that section to the top of the page:\nPrivacy Policy\nLast updated: February 05, 2021\n\nThis Privacy Policy describes Our policies and procedures on the collection, use and disclosure of Your information when You use the Service and tells"]}}]

You about Your privacy rights and how the law protects You.\n\nWe use Your Personal data to provide and improve the Service. By using the Service, You agree to the collection and use of information in accordance with this Privacy Policy.\n\n**Interpretation and Definitions**\n**Interpretation**\nThe words of which the initial letter is capitalized have meanings defined under the following conditions. The following definitions shall have the same meaning regardless of whether they appear in singular or in plural.\n\n**Definitions**\nFor the purposes of this Privacy Policy:\n\n**Account** means a unique account created for You to access our Service or parts of our Service.\n\n**Business**, for the purpose of the CCPA (California Consumer Privacy Act), refers to the Company as the legal entity that collects Consumers' personal information and determines the purposes and means of the processing of Consumers' personal information, or on behalf of which such information is collected and that alone, or jointly with others, determines the purposes and means of the processing of consumers' personal information, that does business in the State of California.\n\n**Company** (referred to as either \"the Company\", \"We\", \"Us\" or \"Our\" in this Agreement) refers to Keyi Technology Inc, 1013 Centre Road, Suite 403S, Wilmington, DE, 19805.\n\nFor the purpose of the GDPR, the Company is the Data Controller.\n\n**Consumer**, for the purpose of the CCPA (California Consumer Privacy Act), means a natural person who is a California resident. A resident, as defined in the law, includes (1) every individual who is in the USA for other than a temporary or transitory purpose, and (2) every individual who is domiciled in the USA who is outside the USA for a temporary or transitory purpose.\n\n**Cookies** are small files that are placed on Your computer, mobile device or any other device by a website, containing the details of Your browsing history on that website among its many uses.\n\n**Country** refers to: Delaware, United States\n\n**Data Controller**, for the purposes of the GDPR (General Data Protection Regulation), refers to the Company as the legal person which alone or jointly with others determines the purposes and means of the processing of Personal Data.\n\n**Device** means any device that can access the Service such as a computer, a cellphone or a digital tablet.\n\n**Do Not Track (DNT)** is a concept that has been promoted by US regulatory authorities, in particular the U.S. Federal Trade Commission (FTC), for the Internet industry to develop and implement a mechanism for allowing internet users to control the tracking of their online activities across websites.\n\n**Facebook Fan Page** is a public profile named ClicBot specifically created by the Company on the Facebook social network, accessible from <https://www.facebook.com/ClicBot/>\n\n**Personal Data** is any information that relates to an identified or identifiable individual.\n\nFor the purposes for GDPR, Personal Data means any information relating to You such as a name, an identification number, location data, online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity.\n\nFor the purposes of the CCPA, Personal Data means any information that identifies, relates to, describes or is capable of being associated with, or could reasonably be linked, directly or indirectly, with You.\n\n**Sale**, for the purpose of the CCPA (California Consumer Privacy Act), means selling, renting, releasing, disclosing, disseminating, making available, transferring, or otherwise communicating orally, in writing, or by electronic or other means, a Consumer's personal information to another business or a third party for monetary or other valuable consideration.\n\n**Service** refers to the Website.\n\n**Service Provider** means any natural or legal person who processes the data on behalf of the Company. It refers to third-party companies or individuals employed by the Company to facilitate the Service, to provide the Service on behalf of the Company, to perform services related to the Service or to assist the Company in analyzing how

the Service is used. For the purpose of the GDPR, Service Providers are considered Data Processors.\n\nThird-party Social Media Service refers to any website or any social network website through which a User can log in or create an account to use the Service.\n\nUsage Data refers to data collected automatically, either generated by the use of the Service or from the Service infrastructure itself (for example, the duration of a page visit).\n\nWebsite refers to keyirobot.com, accessible from <https://www.keyirobot.com/>\n\nYou means the individual accessing or using the Service, or the company, or other legal entity on behalf of which such individual is accessing or using the Service, as applicable.\n\nUnder GDPR (General Data Protection Regulation), You can be referred to as the Data Subject or as the User as you are the individual using the Service.\n\nCollecting and Using Your Personal Data\nTypes of Data Collected\nPersonal Data\nWhile using Our Service, We may ask You to provide Us with certain personally identifiable information that can be used to contact or identify You. Personally identifiable information may include, but is not limited to:\n\nEmail address\nFirst name and last name\nPhone number\nAddress, State, Province, ZIP/Postal code, City\nBank account information in order to pay for products and/or services within the Service\nUsage Data\nWhen You pay for a product and/or a service via bank transfer, We may ask You to provide information to facilitate this transaction and to verify Your identity. Such information may include, without limitation:\n\nDate of birth\nPassport or National ID card\nBank card statement\nOther information linking You to an address\nUsage Data\nUsage Data is collected automatically when using the Service.\n\nUsage Data may include information such as Your Device's Internet Protocol address (e.g. IP address), browser type, browser version, the pages of our Service that You visit, the time and date of Your visit, the time spent on those pages, unique device identifiers and other diagnostic data.\n\nWhen You access the Service by or through a mobile device, We may collect certain information automatically, including, but not limited to, the type of mobile device You use, Your mobile device unique ID, the IP address of Your mobile device, Your mobile operating system, the type of mobile Internet browser You use, unique device identifiers and other diagnostic data.\n\nWe may also collect information that Your browser sends whenever You visit our Service or when You access the Service by or through a mobile device.\n\nInformation from Third-Party Social Media Services\nThe Company allows You to create an account and log in to use the Service through the following Third-party Social Media Services:\n\nGoogle\nFacebook\nTwitter\nIf You decide to register through or otherwise grant us access to a Third-Party Social Media Service, We may collect Personal data that is already associated with Your Third-Party Social Media Service's account, such as Your name, Your email address, Your activities or Your contact list associated with that account.\n\nYou may also have the option of sharing additional information with the Company through Your Third-Party Social Media Service's account. If You choose to provide such information and Personal Data, during registration or otherwise, You are giving the Company permission to use, share, and store it in a manner consistent with this Privacy Policy.\n\nTracking Technologies and Cookies\nWe use Cookies and similar tracking technologies to track the activity on Our Service and store certain information. Tracking technologies used are beacons, tags, and scripts to collect and track information and to improve and analyze Our Service. The technologies We use may include:\n\nCookies or Browser Cookies. A cookie is a small file placed on Your Device. You can instruct Your browser to refuse all Cookies or to indicate when a Cookie is being sent. However, if You do not accept Cookies, You may not be able to use some parts of our Service. Unless you have adjusted Your browser setting so that it will refuse Cookies, our Service may use Cookies.\n\nFlash

Cookies. Certain features of our Service may use local stored objects (or Flash Cookies) to collect and store information about Your preferences or Your activity on our Service. Flash Cookies are not managed by the same browser settings as those used for Browser Cookies. For more information on how You can delete Flash Cookies, please read \"Where can I change the settings for disabling, or deleting local shared objects?\" available at https://helpx.adobe.com/flash-player/kb/disable-local-shared-objects-flash.html#main_Where_can_I_change_the_settings_for_disabling_or_deleting_local_shared_objects_\nWeb Beacons. Certain sections of our Service and our emails may contain small electronic files known as web beacons (also referred to as clear gifs, pixel tags, and single-pixel gifs) that permit the Company, for example, to count users who have visited those pages or opened an email and for other related website statistics (for example, recording the popularity of a certain section and verifying system and server integrity).\nCookies can be \"Persistent\" or \"Session\" Cookies. Persistent Cookies remain on Your personal computer or mobile device when You go offline, while Session Cookies are deleted as soon as You close Your web browser. You can learn more about cookies here: All About Cookies by TermsFeed.\n\nWe use both Session and Persistent Cookies for the purposes set out below:\n\nType: Session Cookies\nAdministered by: Us\nPurpose: These Cookies are essential to provide You with services available through the Website and to enable You to use some of its features. They help to authenticate users and prevent fraudulent use of user accounts. Without these Cookies, the services that You have asked for cannot be provided, and We only use these Cookies to provide You with those services.\n\nType: Cookies Policy / Notice Acceptance Cookies\nAdministered by: Us\nPurpose: These Cookies identify if users have accepted the use of cookies on the Website.\n\nType: Functionality Cookies\nAdministered by: Us\nPurpose: These Cookies allow us to remember choices You make when You use the Website, such as remembering your login details or language preference. The purpose of these Cookies is to provide You with a more personal experience and to avoid You having to re-enter your preferences every time You use the Website.\n\nType: Tracking and Performance Cookies\nAdministered by: Third-Parties\nPurpose: These Cookies are used to track information about traffic to the Website and how users use the Website. The information gathered via these Cookies may directly or indirectly identify you as an individual visitor. This is because the information collected is typically linked to a pseudonymous identifier associated with the device you use to access the Website. We may also use these Cookies to test new pages, features or new functionality of the Website to see how our users react to them.\n\nFor more information about the cookies we use and your choices regarding cookies, please visit our Cookies Policy or the Cookies section of our Privacy Policy."],\n "end_turn": null, "weight": 1.0, "metadata": {"timestamp_": "absolute", "message_type": null}, "recipient": "all", "parent": "ec3ecd99-41ee-4a29-aaf7-ed2b0df1c878", "children": ["e01213ed-eef4-41d1-a6c2-981c34121adb"], "e01213ed-eef4-41d1-a6c2-981c34121adb": {"id": "e01213ed-eef4-41d1-a6c2-981c34121adb", "message": {"id": "e01213ed-eef4-41d1-a6c2-981c34121adb", "author": {"role": "assistant", "name": null, "metadata": {}}, "create_time": 1682297189.629249, "update_time": null, "content": {"content_type": "text", "parts": ["The provided excerpt appears to be the beginning of the privacy policy of a company called Keyi Technology Inc, which produces a robot named Loona. The policy explains the definitions of various terms used in the policy, the types of data collected, how the data is collected, and the use of tracking technologies and cookies.\n\nThe policy outlines the types of personal data that may be collected, including email address, name, phone number, address, bank account information, and usage data. It also explains that"]}}}

the company may collect information from third-party social media services (e.g., Google, Facebook, Twitter) if users choose to create an account or log in to the service through those platforms.\n\nThe policy describes the use of cookies and similar tracking technologies to monitor activity on the service and store certain information. It explains the different types of cookies used (e.g., session cookies, persistent cookies) and their purposes, such as essential cookies for authentication, functionality cookies for remembering user preferences, and tracking and performance cookies for monitoring website traffic and usage.\n\nThe policy also provides information about users' rights under the General Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA).\n\nWhile the privacy policy provides a comprehensive overview of how the company handles personal data and the measures it takes to protect user privacy, it does not provide specific technical details about the security features of the robot itself. For more detailed information about the robot's security features, it may be necessary to contact the manufacturer or support team directly.\n\nAs an AI language model, I can provide insights based on the information provided, but I do not have access to external sources or proprietary information about specific products or companies. If you have specific questions or concerns about the robot's security features, I recommend reaching out to the manufacturer for more information."}], "end_turn": true, "weight": 1.0, "metadata": {"message_type": null, "model_slug": "text-davinci-002-plugins", "finish_details": {"type": "stop", "stop": "<|diff_marker|>"}, "timestamp": "absolute"}, "recipient": "all"}, "parent": "701bd194-3d08-4f20-adf7-f6102a6819a1", "children": ["fa18406e-bc7d-41e2-9a1b-9c8823b9d246"]}, "fa18406e-bc7d-41e2-9a1b-9c8823b9d246": {"id": "fa18406e-bc7d-41e2-9a1b-9c8823b9d246", "message": {"id": "fa18406e-bc7d-41e2-9a1b-9c8823b9d246", "author": {"role": "user", "name": null, "metadata": {}}, "create_time": 1682297240.986742, "update_time": null, "content": {"content_type": "text", "parts": ["Here's the final blurb (I think, the rest after all this is just the contact email for the company):\nFacebook Fan Page\nData Controller for the Facebook Fan Page\nThe Company is the Data Controller of Your Personal Data collected while using the Service. As operator of the Facebook Fan Page <https://www.facebook.com/ClicBot/>, the Company and the operator of the social network Facebook are Joint Controllers.\n\nThe Company has entered into agreements with Facebook that define the terms for use of the Facebook Fan Page, among other things. These terms are mostly based on the Facebook Terms of Service:
<https://www.facebook.com/terms.php>\nVisit the Facebook Privacy Policy <https://www.facebook.com/policy.php> for more information about how Facebook manages Personal data or contact Facebook online, or by mail: Facebook, Inc. ATTN, Privacy Operations, 1601 Willow Road, Menlo Park, CA 94025, United States.\n\nFacebook Insights\nWe use the Facebook Insights function in connection with the operation of the Facebook Fan Page and on the basis of the GDPR, in order to obtain anonymized statistical data about Our users.\n\nFor this purpose, Facebook places a Cookie on the device of the user visiting Our Facebook Fan Page. Each Cookie contains a unique identifier code and remains active for a period of two years, except when it is deleted before the end of this period.\n\nFacebook receives, records and processes the information stored in the Cookie, especially when the user visits the Facebook services, services that are provided by other members of the Facebook Fan Page and services by other companies that use Facebook services.\n\nFor more information on the privacy practices of Facebook, please visit Facebook Privacy Policy here: https://www.facebook.com/full_data_use_policy\n\nCCPA Privacy\nThis privacy notice section for California residents supplements the information contained in Our Privacy Policy and it applies solely to all visitors, users, and others who reside in the State of California."}]}}}

<https://www.facebook.com/terms.php>
Visit the Facebook Privacy Policy <https://www.facebook.com/policy.php> for more information about how Facebook manages Personal data or contact Facebook online, or by mail: Facebook, Inc. ATTN, Privacy Operations, 1601 Willow Road, Menlo Park, CA 94025, United States.

Facebook Insights
We use the Facebook Insights function in connection with the operation of the Facebook Fan Page and on the basis of the GDPR, in order to obtain anonymized statistical data about Our users.

For this purpose, Facebook places a Cookie on the device of the user visiting Our Facebook Fan Page. Each Cookie contains a unique identifier code and remains active for a period of two years, except when it is deleted before the end of this period.

Facebook receives, records and processes the information stored in the Cookie, especially when the user visits the Facebook services, services that are provided by other members of the Facebook Fan Page and services by other companies that use Facebook services.

For more information on the privacy practices of Facebook, please visit Facebook Privacy Policy here: https://www.facebook.com/full_data_use_policy

CCPA Privacy
This privacy notice section for California residents supplements the information contained in Our Privacy Policy and it applies solely to all visitors, users, and others who reside in the State of California.

California.\n\nCategories of Personal Information Collected\nWe collect information that identifies, relates to, describes, references, is capable of being associated with, or could reasonably be linked, directly or indirectly, with a particular Consumer or Device. The following is a list of categories of personal information which we may collect or may have been collected from California residents within the last twelve (12) months.\n\nPlease note that the categories and examples provided in the list below are those defined in the CCPA. This does not mean that all examples of that category of personal information were in fact collected by Us, but reflects our good faith belief to the best of our knowledge that some of that information from the applicable category may be and may have been collected. For example, certain categories of personal information would only be collected if You provided such personal information directly to Us.\n\nCategory A: Identifiers.\n\nExamples: A real name, alias, postal address, unique personal identifier, online identifier, Internet Protocol address, email address, account name, driver's license number, passport number, or other similar identifiers.\n\nCollected: Yes.\n\nCategory B: Personal information categories listed in the California Customer Records statute (Cal. Civ. Code \u00a7 1798.80(e)).\n\nExamples: A name, signature, Social Security number, physical characteristics or description, address, telephone number, passport number, driver's license or state identification card number, insurance policy number, education, employment, employment history, bank account number, credit card number, debit card number, or any other financial information, medical information, or health insurance information. Some personal information included in this category may overlap with other categories.\n\nCollected: Yes.\n\nCategory C: Protected classification characteristics under California or federal law.\n\nExamples: Age (40 years or older), race, color, ancestry, national origin, citizenship, religion or creed, marital status, medical condition, physical or mental disability, sex (including gender, gender identity, gender expression, pregnancy or childbirth and related medical conditions), sexual orientation, veteran or military status, genetic information (including familial genetic information).\n\nCollected: No.\n\nCategory D: Commercial information.\n\nExamples: Records and history of products or services purchased or considered.\n\nCollected: Yes.\n\nCategory E: Biometric information.\n\nExamples: Genetic, physiological, behavioral, and biological characteristics, or activity patterns used to extract a template or other identifier or identifying information, such as, fingerprints, faceprints, and voiceprints, iris or retina scans, keystroke, gait, or other physical patterns, and sleep, health, or exercise data.\n\nCollected: No.\n\nCategory F: Internet or other similar network activity.\n\nExamples: Interaction with our Service or advertisement.\n\nCollected: Yes.\n\nCategory G: Geolocation data.\n\nExamples: Approximate physical location.\n\nCollected: No.\n\nCategory H: Sensory data.\n\nExamples: Audio, electronic, visual, thermal, olfactory, or similar information.\n\nCollected: No.\n\nCategory I: Professional or employment-related information.\n\nExamples: Current or past job history or performance evaluations.\n\nCollected: No.\n\nCategory J: Non-public education information (per the Family Educational Rights and Privacy Act (20 U.S.C. Section 1232g, 34 C.F.R. Part 99)).\n\nExamples: Education records directly related to a student maintained by an educational institution or party acting on its behalf, such as grades, transcripts, class lists, student schedules, student identification codes, student financial information, or student disciplinary records.\n\nCollected: No.\n\nCategory K: Inferences drawn from other personal information.\n\nExamples: Profile reflecting a person's preferences, characteristics, psychological trends, predispositions, behavior, attitudes, intelligence, abilities, and aptitudes.\n\nCollected: No.\n\nUnder CCPA, personal information does not

include:\n\nPublicly available information from government records\nDeidentified or aggregated consumer information\nInformation excluded from the CCPA's scope, such as:\nHealth or medical information covered by the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and the California Confidentiality of Medical Information Act (CMIA) or clinical trial data\nPersonal Information covered by certain sector-specific privacy laws, including the Fair Credit Reporting Act (FCRA), the Gramm-Leach-Bliley Act (GLBA) or California Financial Information Privacy Act (FIPA), and the Driver's Privacy Protection Act of 1994\nSources of Personal Information\nWe obtain the categories of personal information listed above from the following categories of sources:\n\nDirectly from You. For example, from the forms You complete on our Service, preferences You express or provide through our Service, or from Your purchases on our Service.\nIndirectly from You. For example, from observing Your activity on our Service.\nAutomatically from You. For example, through cookies We or our Service Providers set on Your Device as You navigate through our Service.\nFrom Service Providers. For example, third-party vendors to monitor and analyze the use of our Service, third-party vendors to deliver targeted advertising to You, third-party vendors for payment processing, or other third-party vendors that We use to provide the Service to You.\nUse of Personal Information for Business Purposes or Commercial Purposes\nWe may use or disclose personal information We collect for \"business purposes\" or \"commercial purposes\" (as defined under the CCPA), which may include the following examples:\n\nTo operate our Service and provide You with our Service.\nTo provide You with support and to respond to Your inquiries, including to investigate and address Your concerns and monitor and improve our Service.\nTo fulfill or meet the reason You provided the information. For example, if You share Your contact information to ask a question about our Service, We will use that personal information to respond to Your inquiry. If You provide Your personal information to purchase a product or service, We will use that information to process Your payment and facilitate delivery.\nTo respond to law enforcement requests and as required by applicable law, court order, or governmental regulations.\nAs described to You when collecting Your personal information or as otherwise set forth in the CCPA.\nFor internal administrative and auditing purposes.\nTo detect security incidents and protect against malicious, deceptive, fraudulent or illegal activity, including, when necessary, to prosecute those responsible for such activities.\nPlease note that the examples provided above are illustrative and not intended to be exhaustive. For more details on how we use this information, please refer to the \"Use of Your Personal Data\" section.\n\nIf We decide to collect additional categories of personal information or use the personal information We collected for materially different, unrelated, or incompatible purposes We will update this Privacy Policy.\n\nDisclosure of Personal Information for Business Purposes or Commercial Purposes\nWe may use or disclose and may have used or disclosed in the last twelve (12) months the following categories of personal information for business or commercial purposes:\n\nCategory A: Identifiers\nCategory B: Personal information categories listed in the California Customer Records statute (Cal. Civ. Code \u00a7 1798.80(e))\nCategory C: Commercial information\nCategory D: Internet or other similar network activity\nPlease note that the categories listed above are those defined in the CCPA. This does not mean that all examples of that category of personal information were in fact disclosed, but reflects our good faith belief to the best of our knowledge that some of that information from the applicable category may be and may have been disclosed.\n\nWhen We disclose personal information for a business purpose or a commercial purpose, We enter a contract that describes the purpose and requires the recipient to both keep that personal information confidential and not use

it for any purpose except performing the contract.\n\nSale of Personal Information\nAs defined in the CCPA, \"sell\" and \"sale\" mean selling, renting, releasing, disclosing, disseminating, making available, transferring, or otherwise communicating orally, in writing, or by electronic or other means, a consumer's personal information by the business to a third party for valuable consideration. This means that We may have received some kind of benefit in return for sharing personal information, but not necessarily a monetary benefit.\n\nPlease note that the categories listed below are those defined in the CCPA. This does not mean that all examples of that category of personal information were in fact sold, but reflects our good faith belief to the best of our knowledge that some of that information from the applicable category may be and may have been shared for value in return.\n\nWe may sell and may have sold in the last twelve (12) months the following categories of personal information:\n\nCategory A: Identifiers\nCategory B: Personal information categories listed in the California Customer Records statute (Cal. Civ. Code \u00a7 1798.80(e))\nCategory D: Commercial information\nCategory F: Internet or other similar network activity\nShare of Personal Information\nWe may share Your personal information identified in the above categories with the following categories of third parties:\n\nService Providers\nPayment processors\nOur affiliates\nOur business partners\nThird party vendors to whom You or Your agents authorize Us to disclose Your personal information in connection with products or services We provide to You\nSale of Personal Information of Minors Under 16 Years of Age\nWe do not sell the personal information of Consumers We actually know are less than 16 years of age, unless We receive affirmative authorization (the \"right to opt-in\") from either the Consumer who is between 13 and 16 years of age, or the parent or guardian of a Consumer less than 13 years of age. Consumers who opt-in to the sale of personal information may opt-out of future sales at any time. To exercise the right to opt-out, You (or Your authorized representative) may submit a request to Us by contacting Us.\n\nIf You have reason to believe that a child under the age of 13 (or 16) has provided Us with personal information, please contact Us with sufficient detail to enable Us to delete that information.\n\nYour Rights under the CCPA\nThe CCPA provides California residents with specific rights regarding their personal information. If You are a resident of California, You have the following rights:\n\nThe right to notice. You have the right to be notified which categories of Personal Data are being collected and the purposes for which the Personal Data is being used.\n\nThe right to request. Under CCPA, You have the right to request that We disclose information to You about Our collection, use, sale, disclosure for business purposes and share of personal information. Once We receive and confirm Your request, We will disclose to You:\n\nThe categories of personal information We collected about You\nThe categories of sources for the personal information We collected about You\nOur business or commercial purpose for collecting or selling that personal information\nThe categories of third parties with whom We share that personal information\nThe specific pieces of personal information We collected about You\n\nIf we sold Your personal information or disclosed Your personal information for a business purpose, We will disclose to You:\n\nThe categories of personal information categories sold\nThe categories of personal information categories disclosed\n\nThe right to say no to the sale of Personal Data (opt-out). You have the right to direct Us to not sell Your personal information. To submit an opt-out request please contact Us.\n\nThe right to delete Personal Data. You have the right to request the deletion of Your Personal Data, subject to certain exceptions. Once We receive and confirm Your request, We will delete (and direct Our Service Providers to delete) Your personal information from our records, unless an exception applies. We may deny Your deletion

request if retaining the information is necessary for Us or Our Service Providers to:\nComplete the transaction for which We collected the personal information, provide a good or service that You requested, take actions reasonably anticipated within the context of our ongoing business relationship with You, or otherwise perform our contract with You.\nDetect security incidents, protect against malicious, deceptive, fraudulent, or illegal activity, or prosecute those responsible for such activities.\nDebug products to identify and repair errors that impair existing intended functionality.\nExercise free speech, ensure the right of another consumer to exercise their free speech rights, or exercise another right provided for by law.\nComply with the California Electronic Communications Privacy Act (Cal. Penal Code \u00a7 1546 et seq.).\nEngage in public or peer-reviewed scientific, historical, or statistical research in the public interest that adheres to all other applicable ethics and privacy laws, when the information's deletion may likely render impossible or seriously impair the research's achievement, if You previously provided informed consent.\nEnable solely internal uses that are reasonably aligned with consumer expectations based on Your relationship with Us.\nComply with a legal obligation.\nMake other internal and lawful uses of that information that are compatible with the context in which You provided it.\nThe right not to be discriminated against. You have the right not to be discriminated against for exercising any of Your consumer's rights, including by:\nDenying goods or services to You\nCharging different prices or rates for goods or services, including the use of discounts or other benefits or imposing penalties\nProviding a different level or quality of goods or services to You\nSuggesting that You will receive a different price or rate for goods or services\nExercising Your CCPA Data Protection Rights\nIn order to exercise any of Your rights under the CCPA, and if You are a California resident, You can contact Us:\nBy email: feedback@global.keyirobot.com\nOnly You, or a person registered with the California Secretary of State that You authorize to act on Your behalf, may make a verifiable request related to Your personal information.\nYour request to Us must:\nProvide sufficient information that allows Us to reasonably verify You are the person about whom We collected personal information or an authorized representative\nDescribe Your request with sufficient detail that allows Us to properly understand, evaluate, and respond to it\nWe cannot respond to Your request or provide You with the required information if We cannot:\nVerify Your identity or authority to make the request\nAnd confirm that the personal information relates to You\nWe will disclose and deliver the required information free of charge within 45 days of receiving Your verifiable request. The time period to provide the required information may be extended once by an additional 45 days when reasonable necessary and with prior notice.\nAny disclosures We provide will only cover the 12-month period preceding the verifiable request's receipt.\nFor data portability requests, We will select a format to provide Your personal information that is readily useable and should allow You to transmit the information from one entity to another entity without hindrance.\nDo Not Sell My Personal Information\nYou have the right to opt-out of the sale of Your personal information. Once We receive and confirm a verifiable consumer request from You, we will stop selling Your personal information. To exercise Your right to opt-out, please contact Us.\n\nThe Service Providers we partner with (for example, our analytics or advertising partners) may use technology on the Service that sells personal information as defined by the CCPA law. If you wish to opt out of the use of Your personal information for interest-based advertising purposes and these potential sales as defined under CCPA law, you may do so by following the instructions below.\n\nPlease note that

any opt out is specific to the browser You use. You may need to opt out on every browser that You use.\n\nWebsite\nYou can opt out of receiving ads that are personalized as served by our Service Providers by following our instructions presented on the Service:\n\nThe NAI's opt-out platform: <http://www.networkadvertising.org/choices/>\n\nThe EDAA's opt-out platform: <http://www.youronlinechoices.com/>\n\nThe DAA's opt-out platform: <http://optout.aboutads.info/?c=2&lang=EN>\n\nThe opt out will place a cookie on Your computer that is unique to the browser You use to opt out. If you change browsers or delete the cookies saved by your browser, You will need to opt out again.\n\nMobile Devices\nYour mobile device may give You the ability to opt out of the use of information about the apps You use in order to serve You ads that are targeted to Your interests:\n\n\"Opt out of Interest-Based Ads\" or \"Opt out of Ads Personalization\" on Android devices\n\n\"Limit Ad Tracking\" on iOS devices\n\nYou can also stop the collection of location information from Your mobile device by changing the preferences on Your mobile device.\n\n\"Do Not Track\" Policy as Required by California Online Privacy Protection Act (CalOPPA)\n\nOur Service does not respond to Do Not Track signals.\n\nHowever, some third party websites do keep track of Your browsing activities. If You are visiting such websites, You can set Your preferences in Your web browser to inform websites that You do not want to be tracked. You can enable or disable DNT by visiting the preferences or settings page of Your web browser.\n\nChildren's Privacy\nOur Service does not address anyone under the age of 13. We do not knowingly collect personally identifiable information from anyone under the age of 13. If You are a parent or guardian and You are aware that Your child has provided Us with Personal Data, please contact Us. If We become aware that We have collected Personal Data from anyone under the age of 13 without verification of parental consent, We take steps to remove that information from Our servers.\n\nIf We need to rely on consent as a legal basis for processing Your information and Your country requires consent from a parent, We may require Your parent's consent before We collect and use that information.\n\nYour California Privacy Rights (California's Shine the Light law)\nUnder California Civil Code Section 1798 (California's Shine the Light law), California residents with an established business relationship with us can request information once a year about sharing their Personal Data with third parties for the third parties' direct marketing purposes.\n\nIf you'd like to request more information under the California Shine the Light law, and if You are a California resident, You can contact Us using the contact information provided below.\n\nCalifornia Privacy Rights for Minor Users (California Business and Professions Code Section 22581)\nCalifornia Business and Professions Code section 22581 allow California residents under the age of 18 who are registered users of online sites, services or applications to request and obtain removal of content or information they have publicly posted.\n\nTo request removal of such data, and if You are a California resident, You can contact Us using the contact information provided below, and include the email address associated with Your account.\n\nBe aware that Your request does not guarantee complete or comprehensive removal of content or information posted online and that the law may not permit or require removal in certain circumstances.\n\nLinks to Other Websites\nOur Service may contain links to other websites that are not operated by Us. If You click on a third party link, You will be directed to that third party's site. We strongly advise You to review the Privacy Policy of every site You visit.\n\nWe have no control over and assume no responsibility for the content, privacy policies or practices of any third party sites or services.\n\nChanges to this Privacy Policy\nWe may update Our Privacy Policy from time to time. We will notify You of any changes by posting the new Privacy Policy on this page.\n\nWe will let You know via email