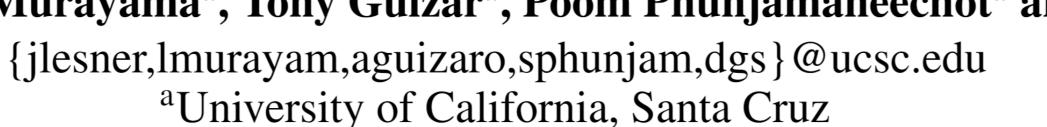


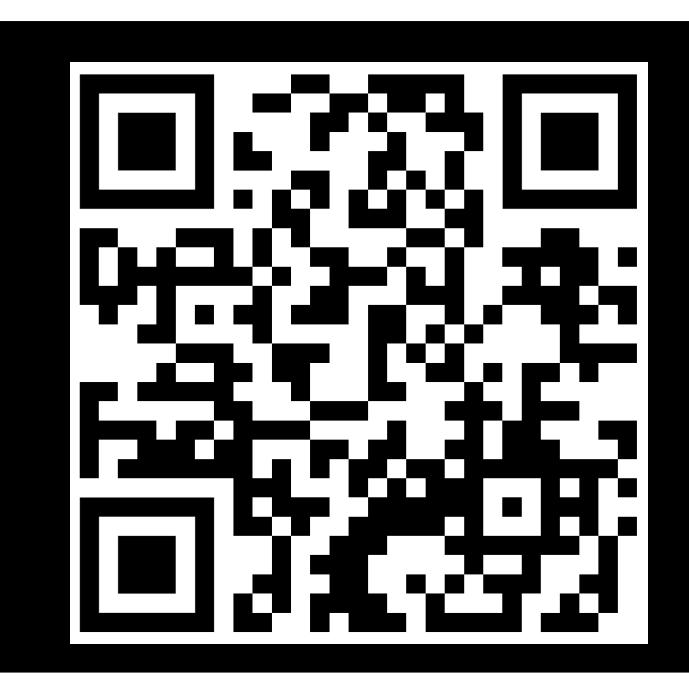
AI Personalized Interactive Fiction for Young Children

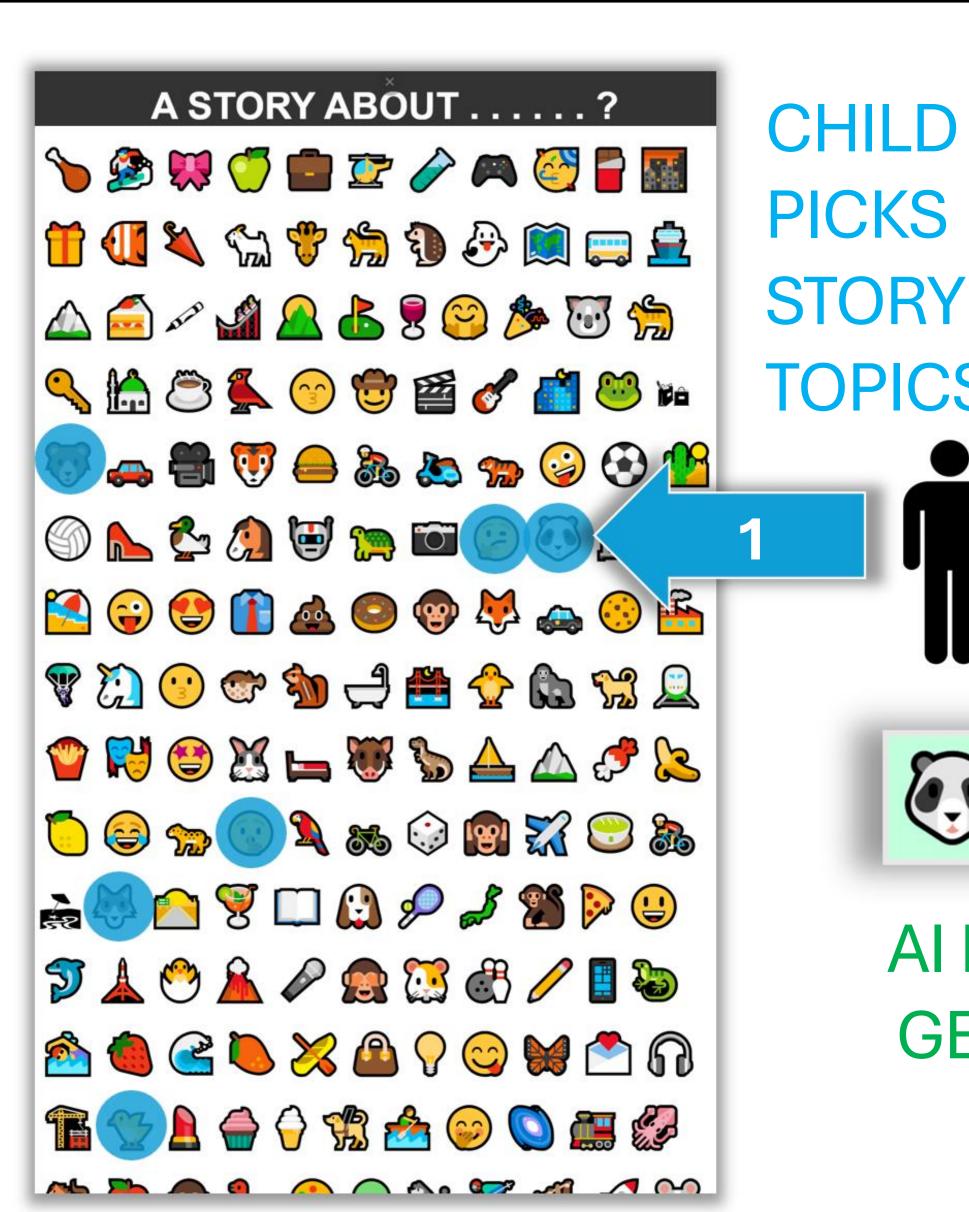
Jasmine Lesner^a, Luke Murayama^a, Tony Guizar^a, Poom Phunjamaneechot^a and Daniel Shapiro^a





Choose Your Own Al-venture: A Prototype for Young Readers

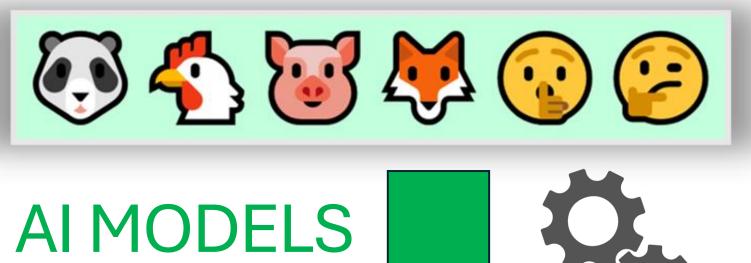


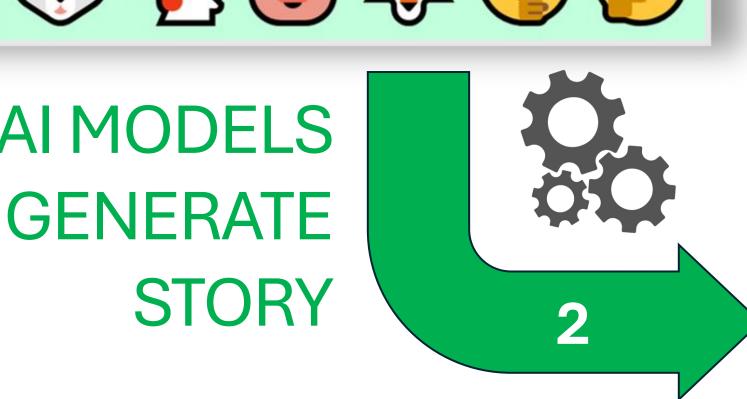




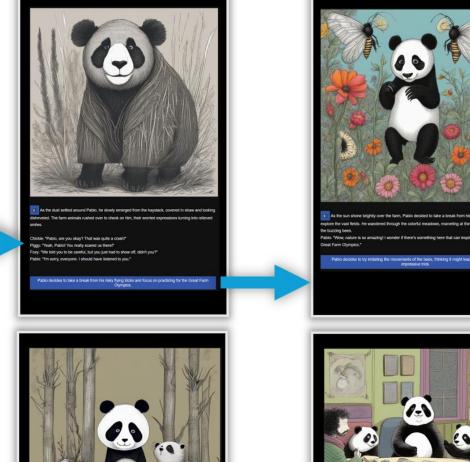




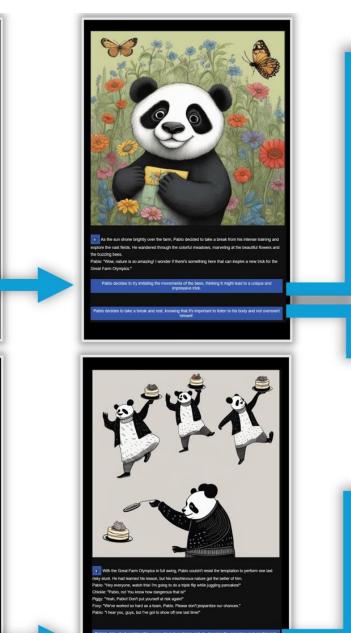




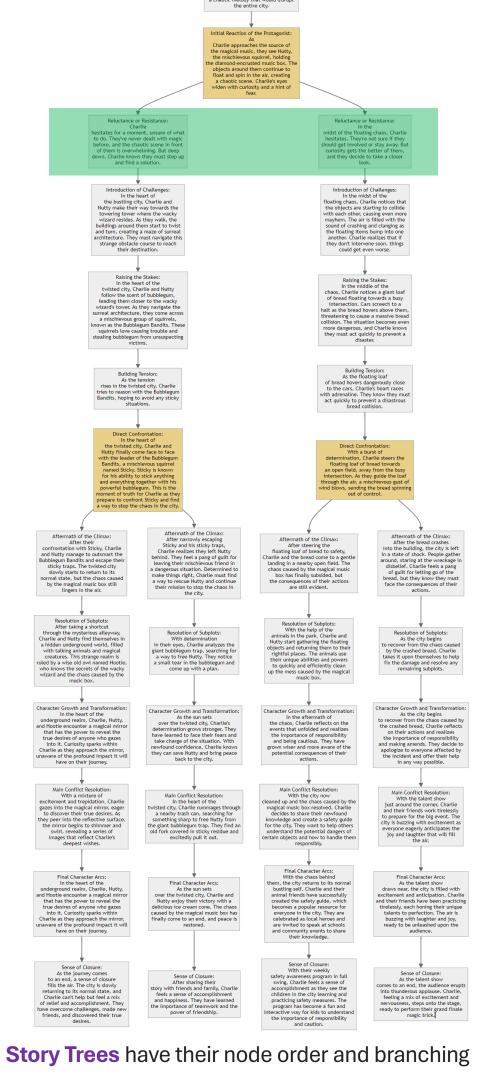




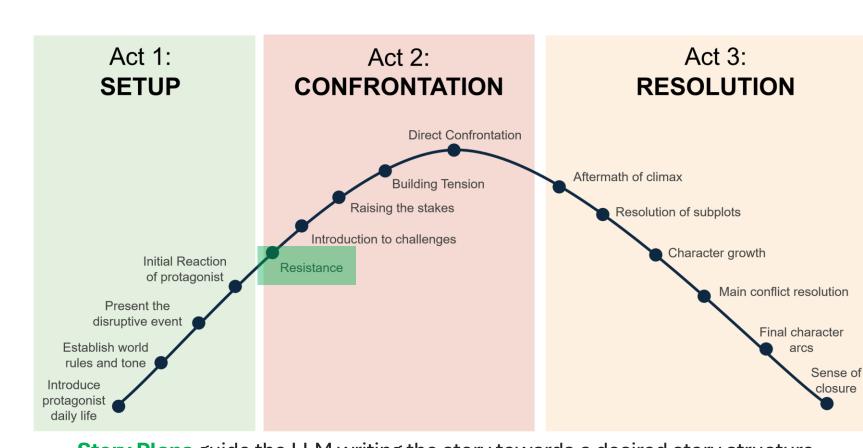
A story with pictures, sounds, music, and choices!



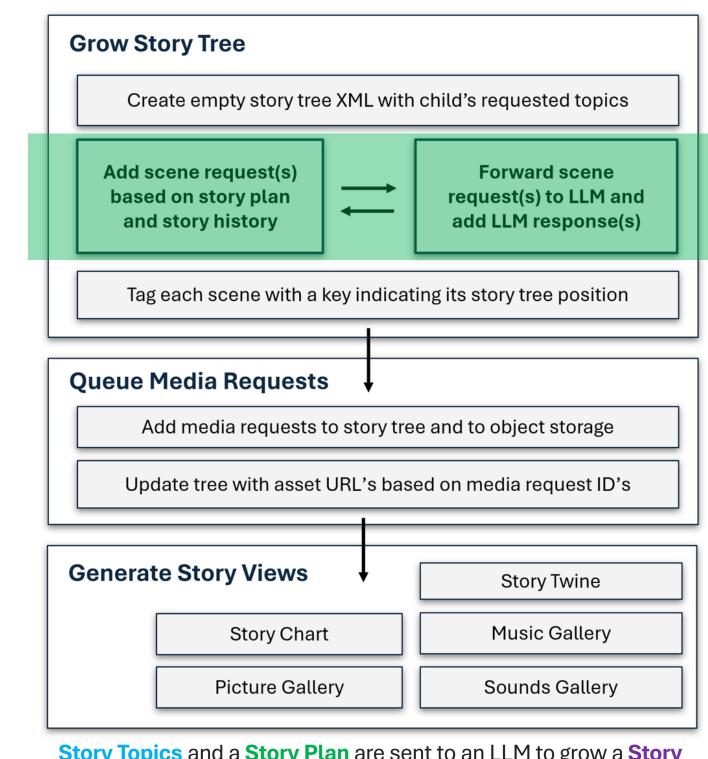
- 1. Child picks topics for their story.
- 2. Al models generate story and galleries.
- 3. Parent gives feedback using galleries.
- 4. Als update story as guided by parent.
- 5. Child enjoys their personalized story.



controlled by a Story Plan. LLM prompts accumulate the "story so far" to grow each branch according to the selected **Story Topics**.



Story Plans guide the LLM writing the story towards a desired story structure.



Story Topics and a Story Plan are sent to an LLM to grow a Story Tree containing story branches and descriptions of pictures, sounds and music. These descriptions are then queued as media requests to other Al models.



Each **story scene** has pictures, sounds and music. One or more

large blue buttons advance the story to the next scene, depending

on the text displayed on the button.

Galleries allow parents to efficiently review all pictures, sounds, and music. Clicking RETRY (or UPDATE) causes a media item to be re-attempted with the same (or an updated) AI model prompt.

