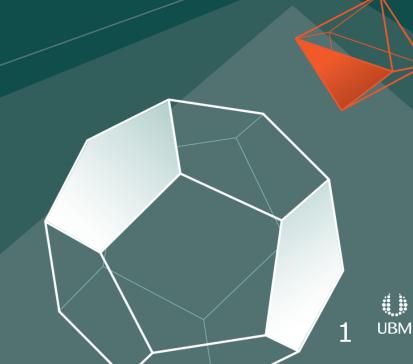




Foolproofing the Controls for 'What Remains of Edith Finch'

Evan Rogers (@evanmakesgames)
Gameplay Programmer for Giant Sparrow









Collaborators

- •lan Dallas
- Chris Bell
- Chelsea Hash
- Ben Esposito
- Shawn Kuang
- Josh Sarfaty
- Jonathan Hamel
- Michael Kwan
- •and me!













"Fun"

- Discovering what you can do without being told
- Feeling in control
- Performing your role in the story











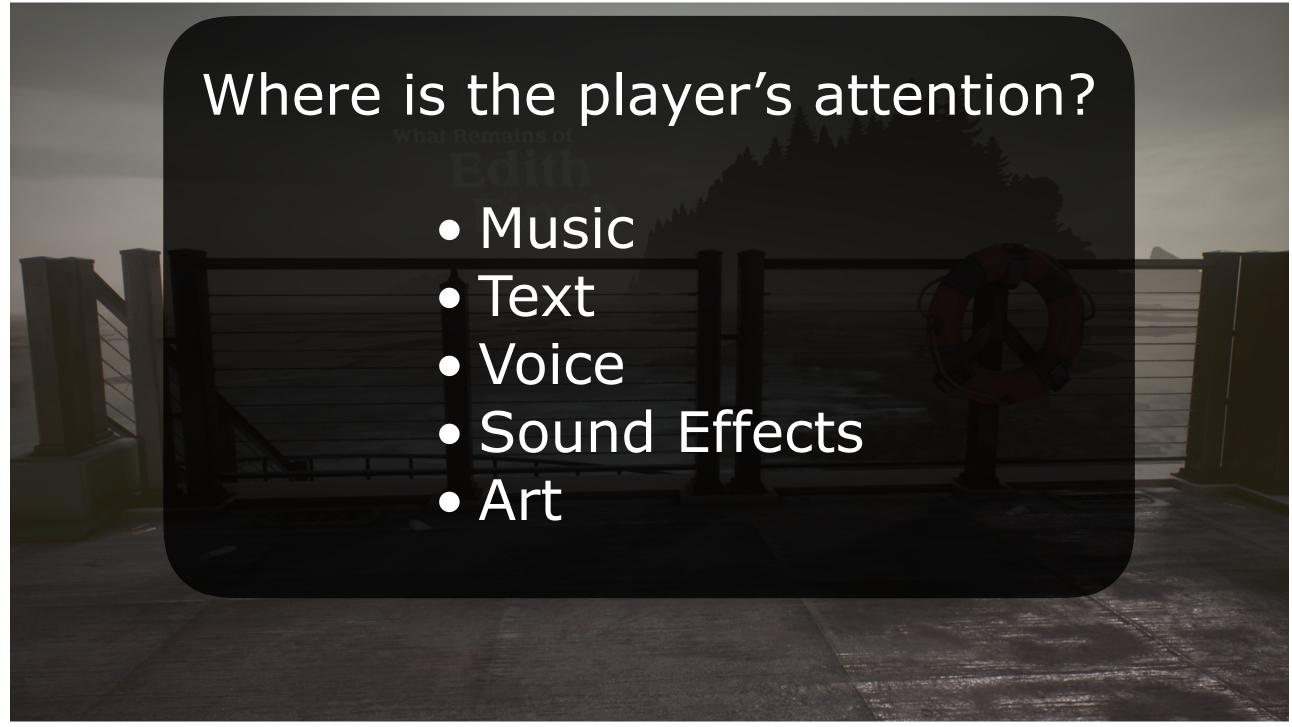






















Goals for Controls

- Easily discoverable
- Require minimal attention
- Feedback directly matches input
- Maintain intended pacing
- Look natural
- Leave the player some freedom











How do we measure success?

- Our own impressions
- Friends and family
- Paid play-testers
- Watching screens, hands, and faces.
- Fresh descriptions of their feelings/reactions













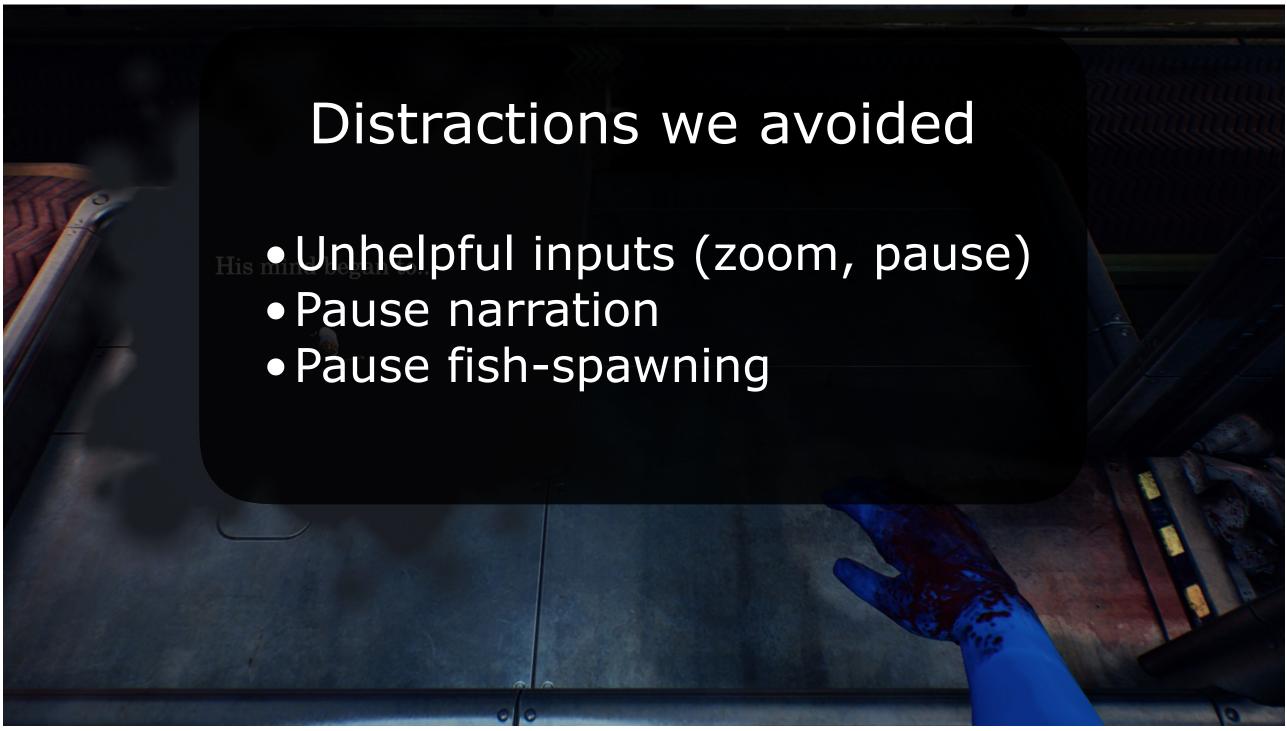












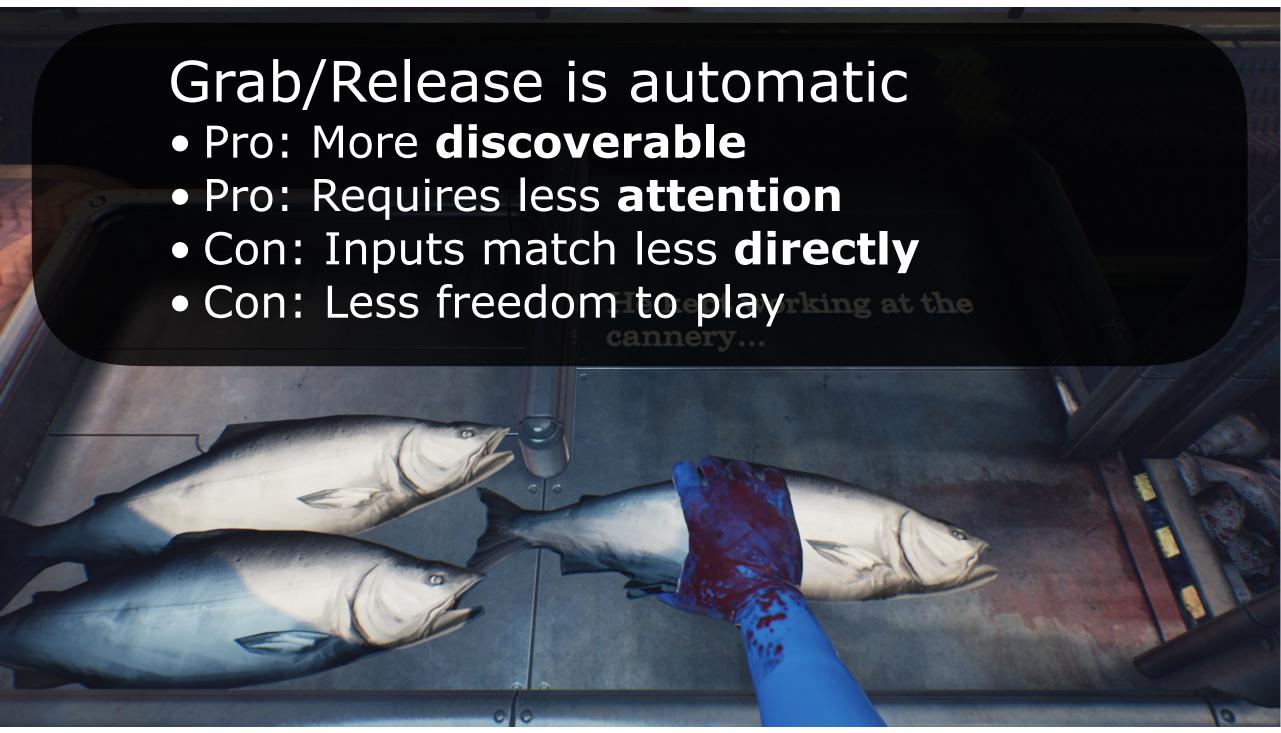






















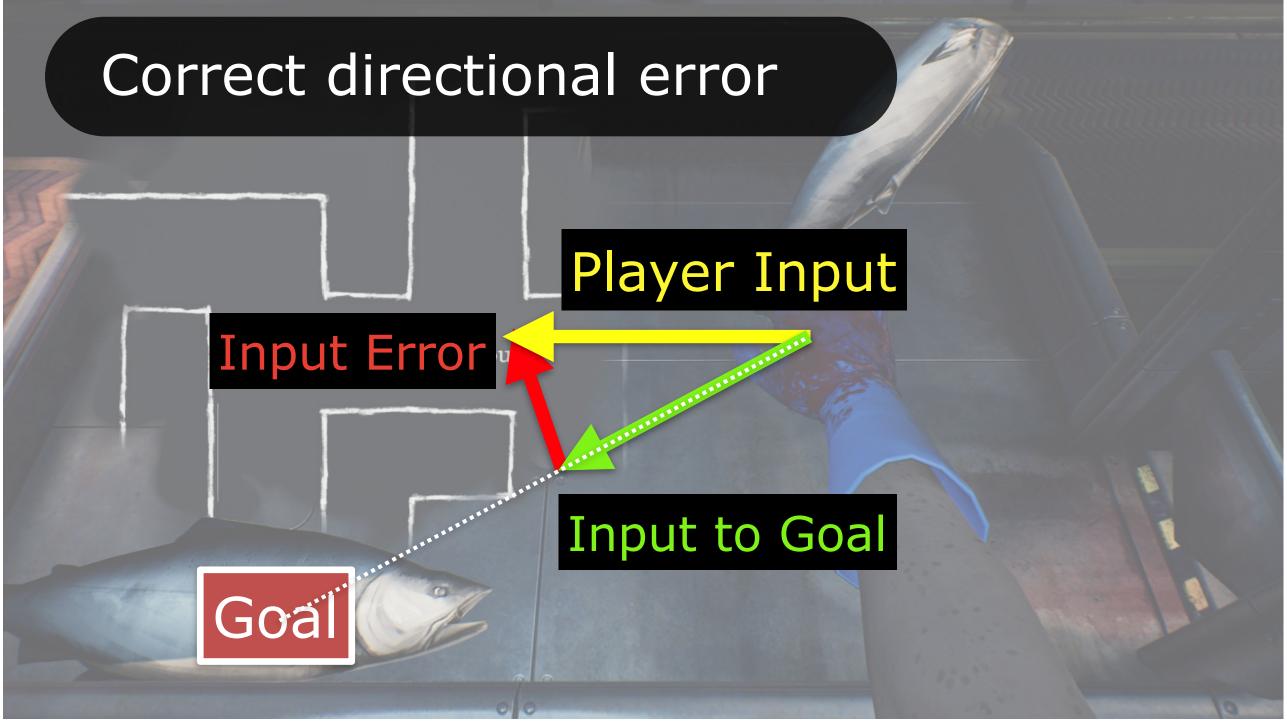
































Fish-Chopping: What didn't work?

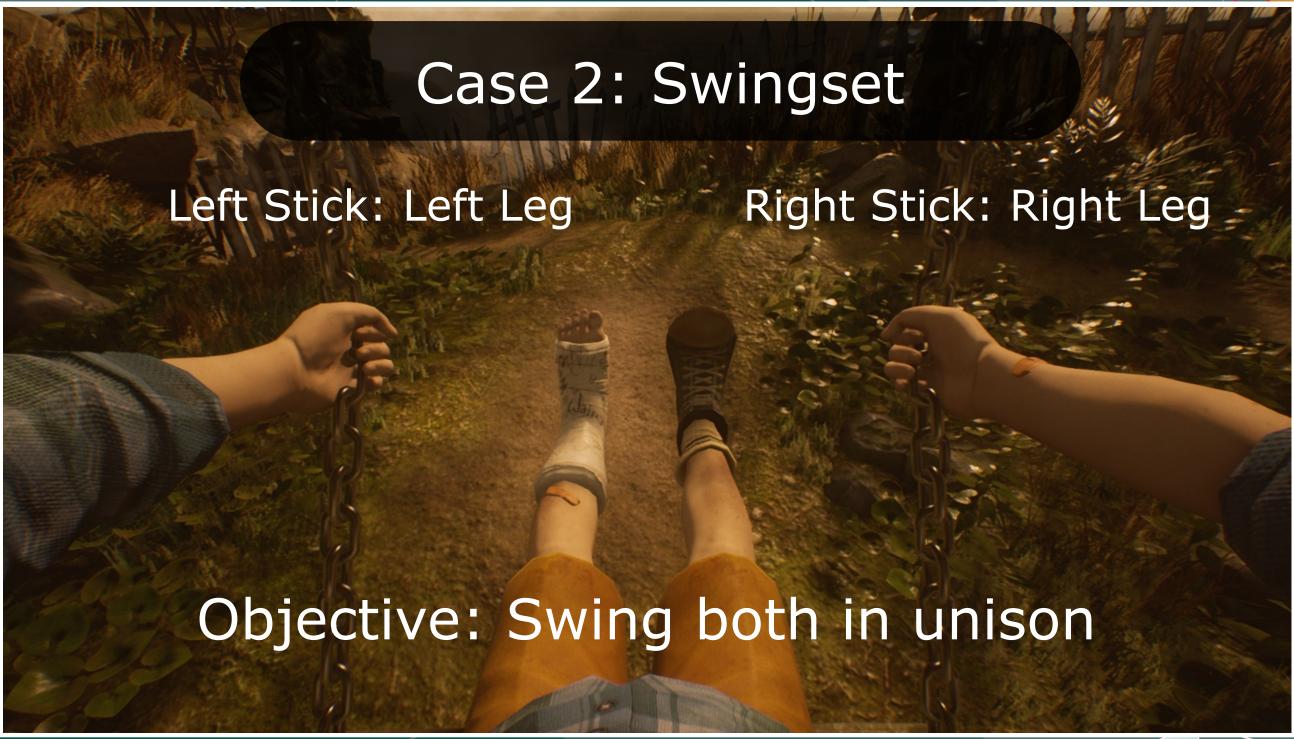
- Gestures
 - Pro: Requires less attention
 - Pro: Looks more natural
 - Con: Feels less direct
 - Con: No freedom to play
- Map input to position instead of velocity
 - Pro: Motion more **directly** maps to player thumb
 - Con: Too fast. Must compromise naturalness or directness
 - Con: More attention to control
- Map horizontal input to an arcing path
 - Pro: Looks more natural
 - Con: Feels less direct







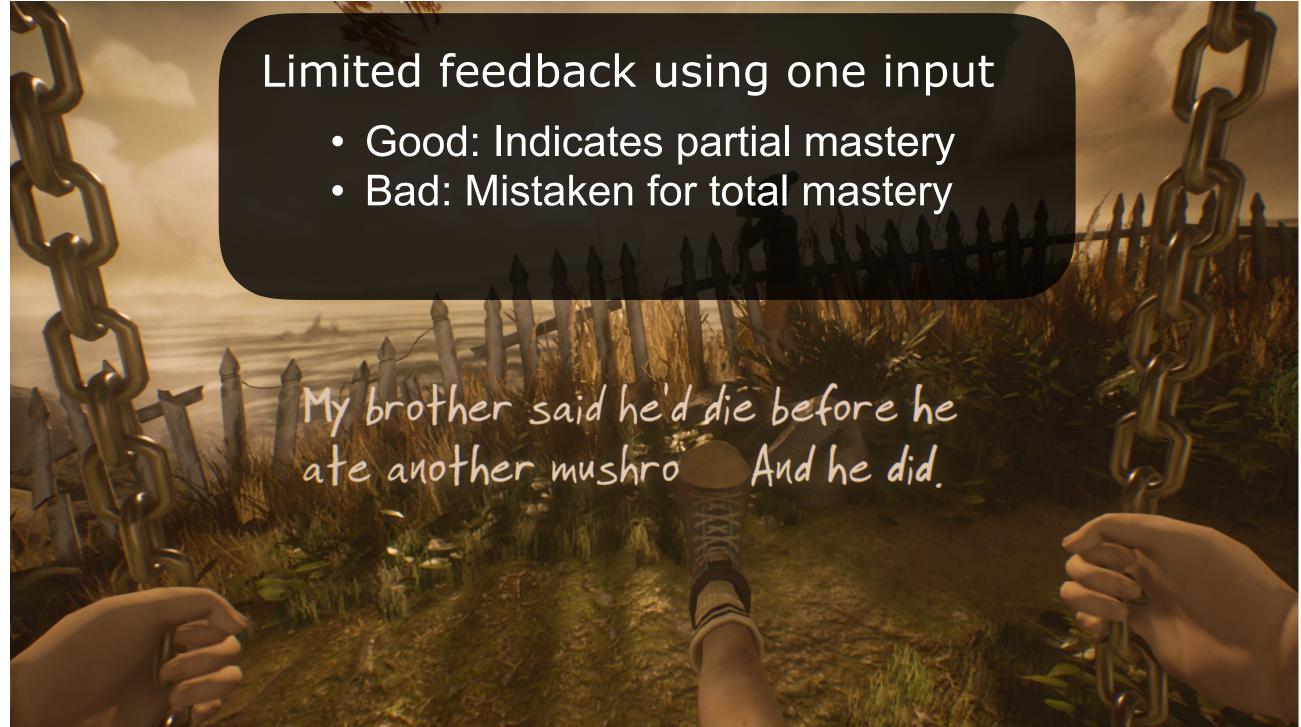
















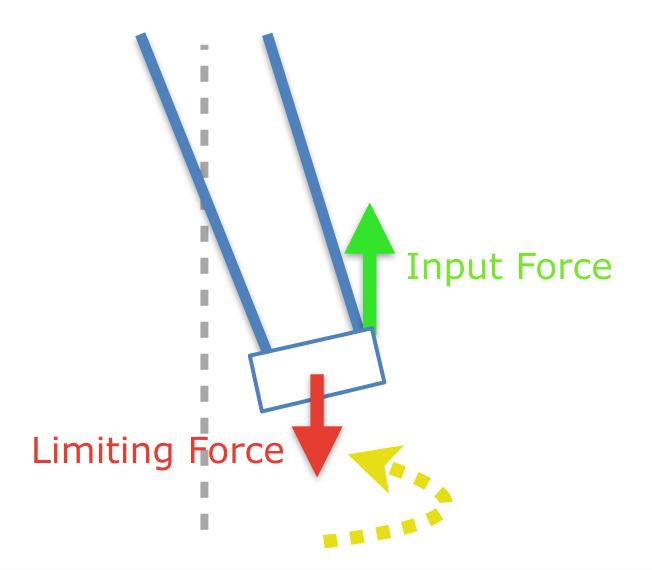


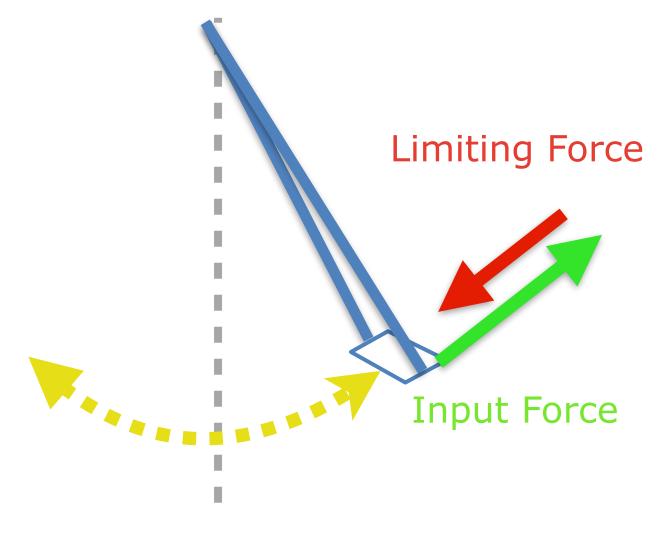


Limited feedback using one input

Forward View

Side View





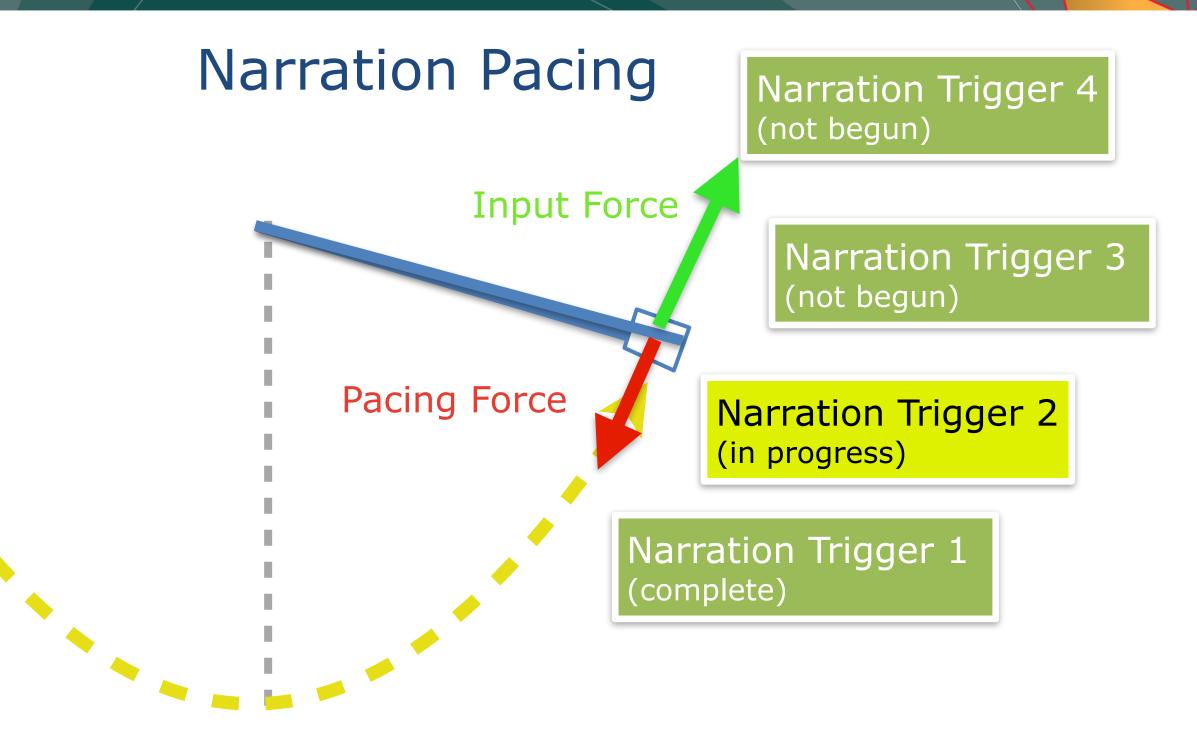














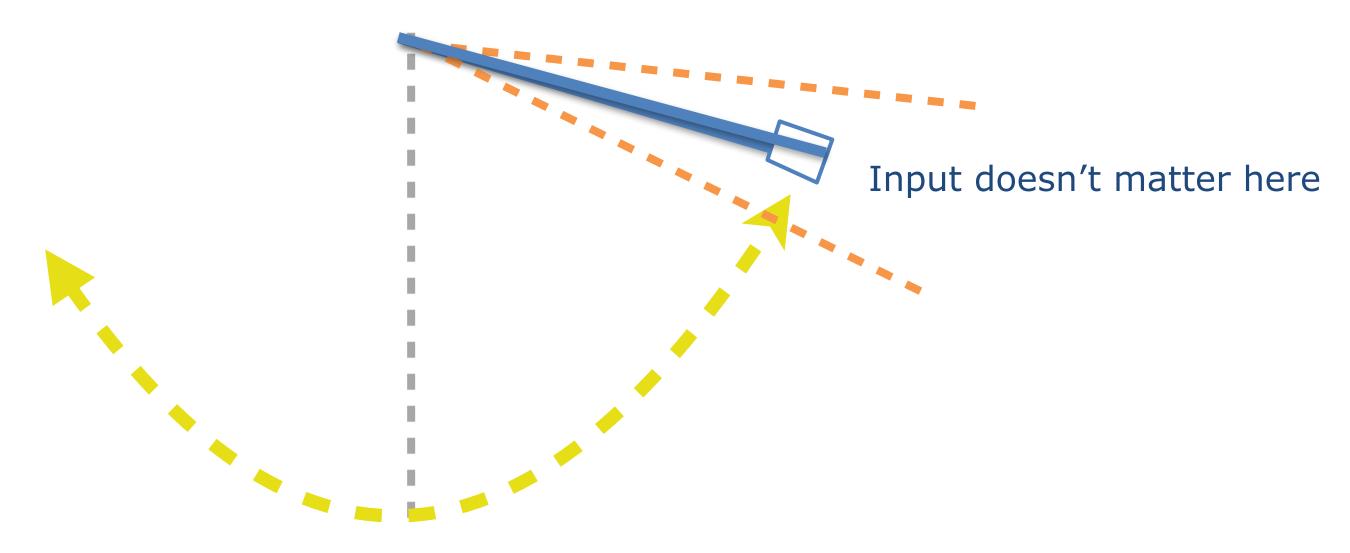








Correct timing errors











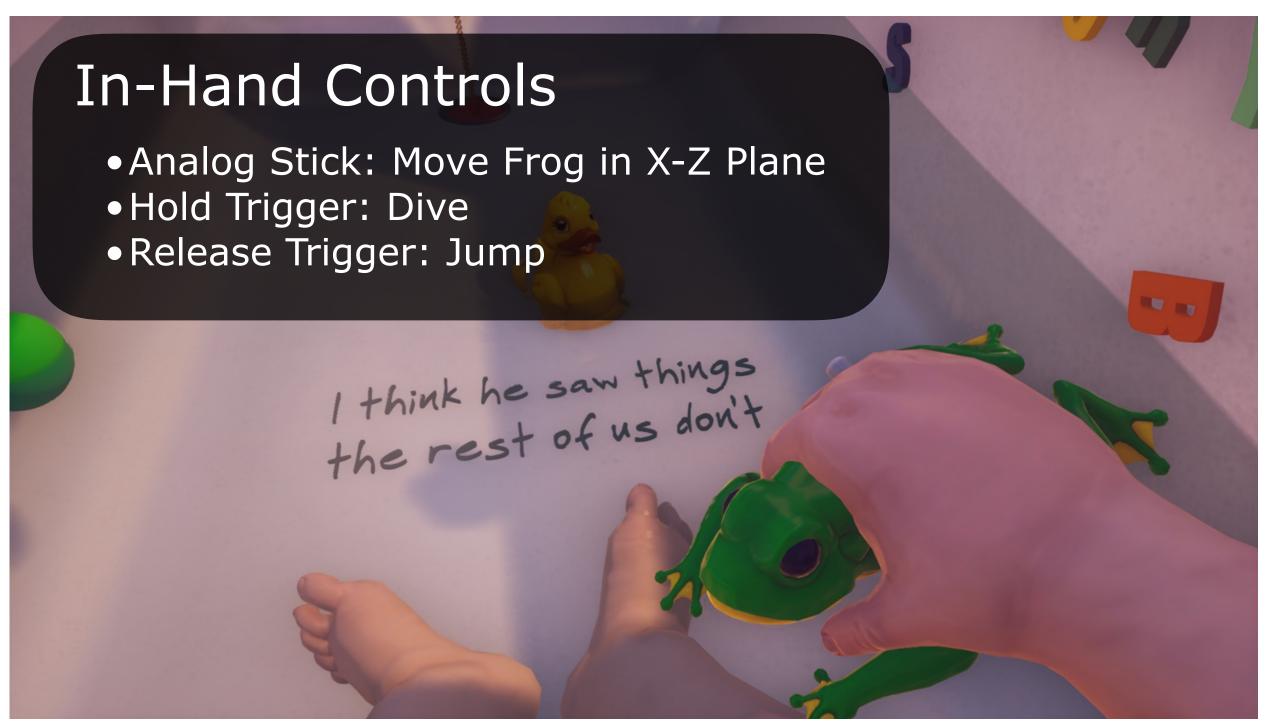










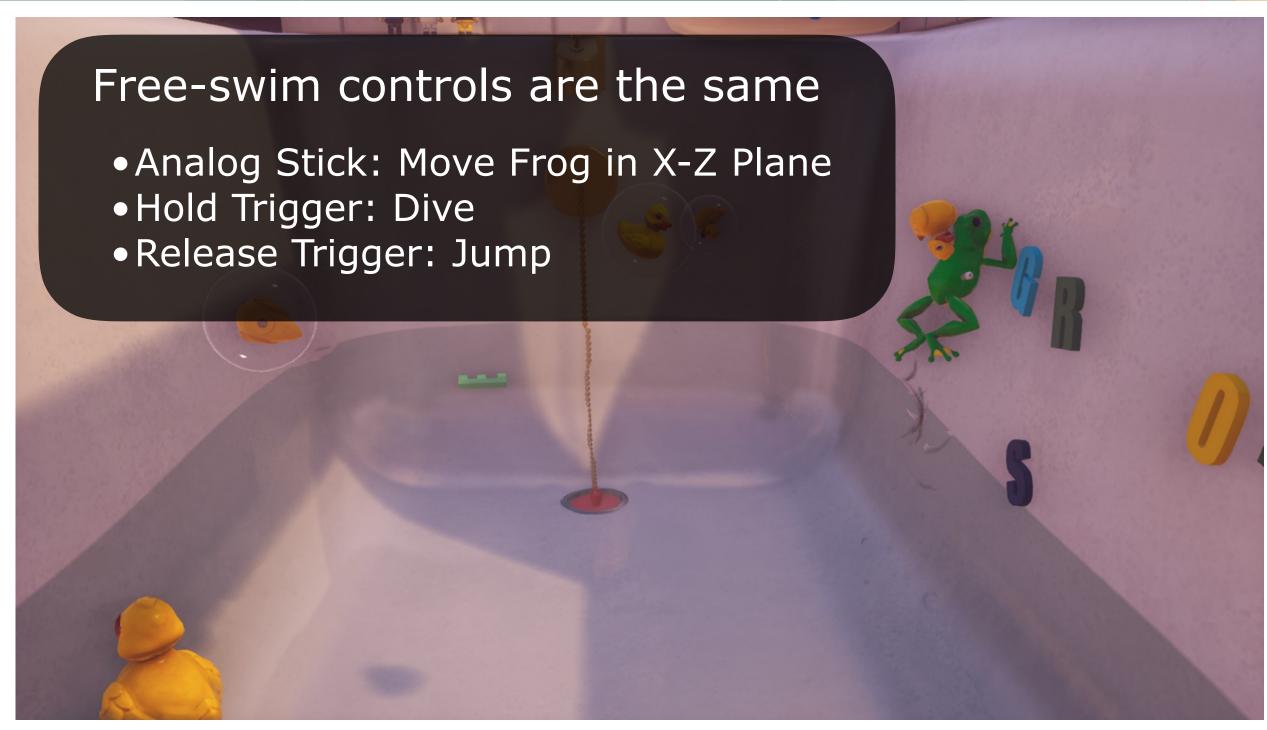










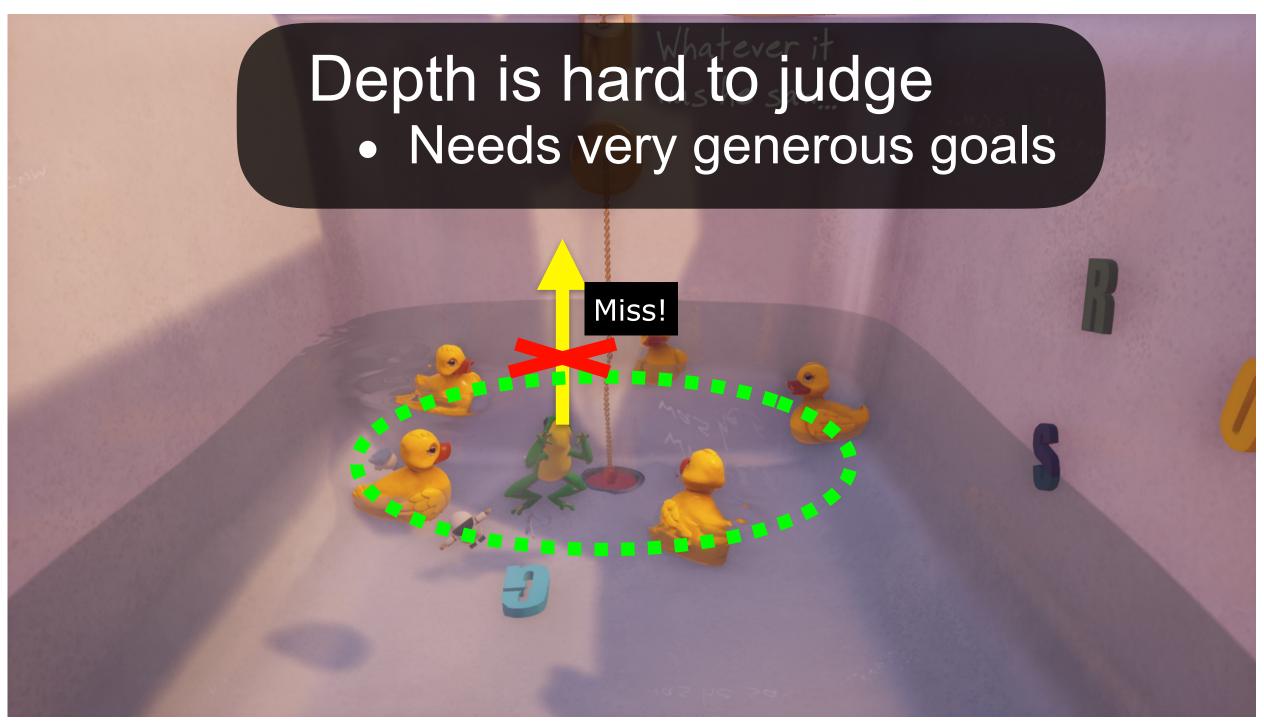






















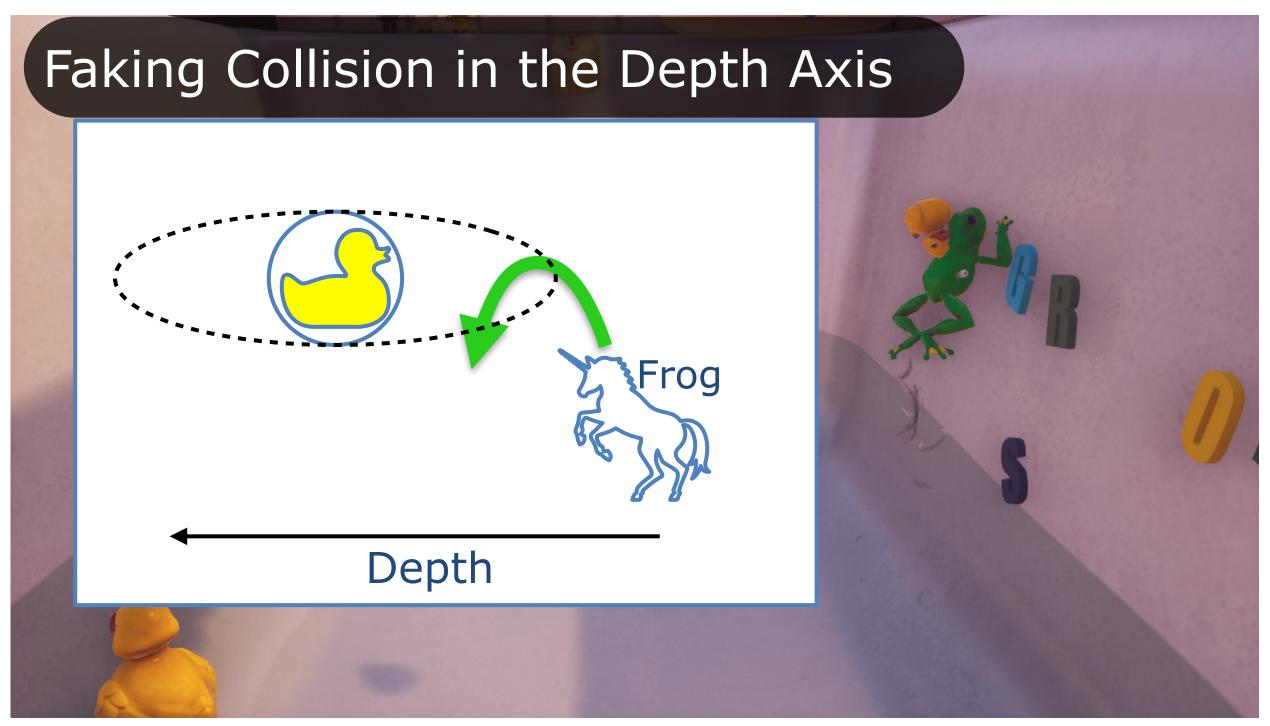






















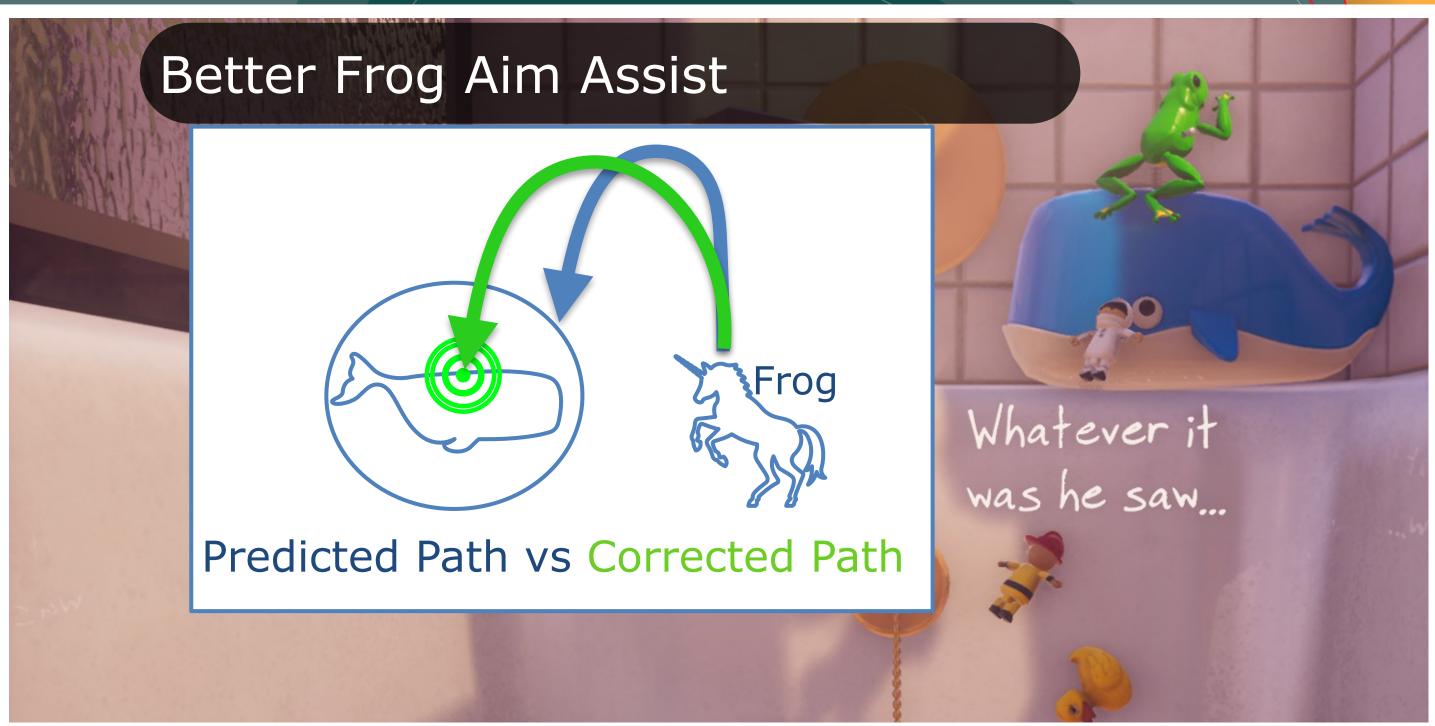




















Review

- Easily discoverable few inputs, remove distractions
- •Require minimal attention correct input errors
- Feedback directly matches input correct errors discretely
- Maintain intended pacing propel or drag motion
- Look natural filter input (through velocity)
- •Leave the player some freedom allow for "wrong" inputs











Thanks! I'm @evanmakesgames





