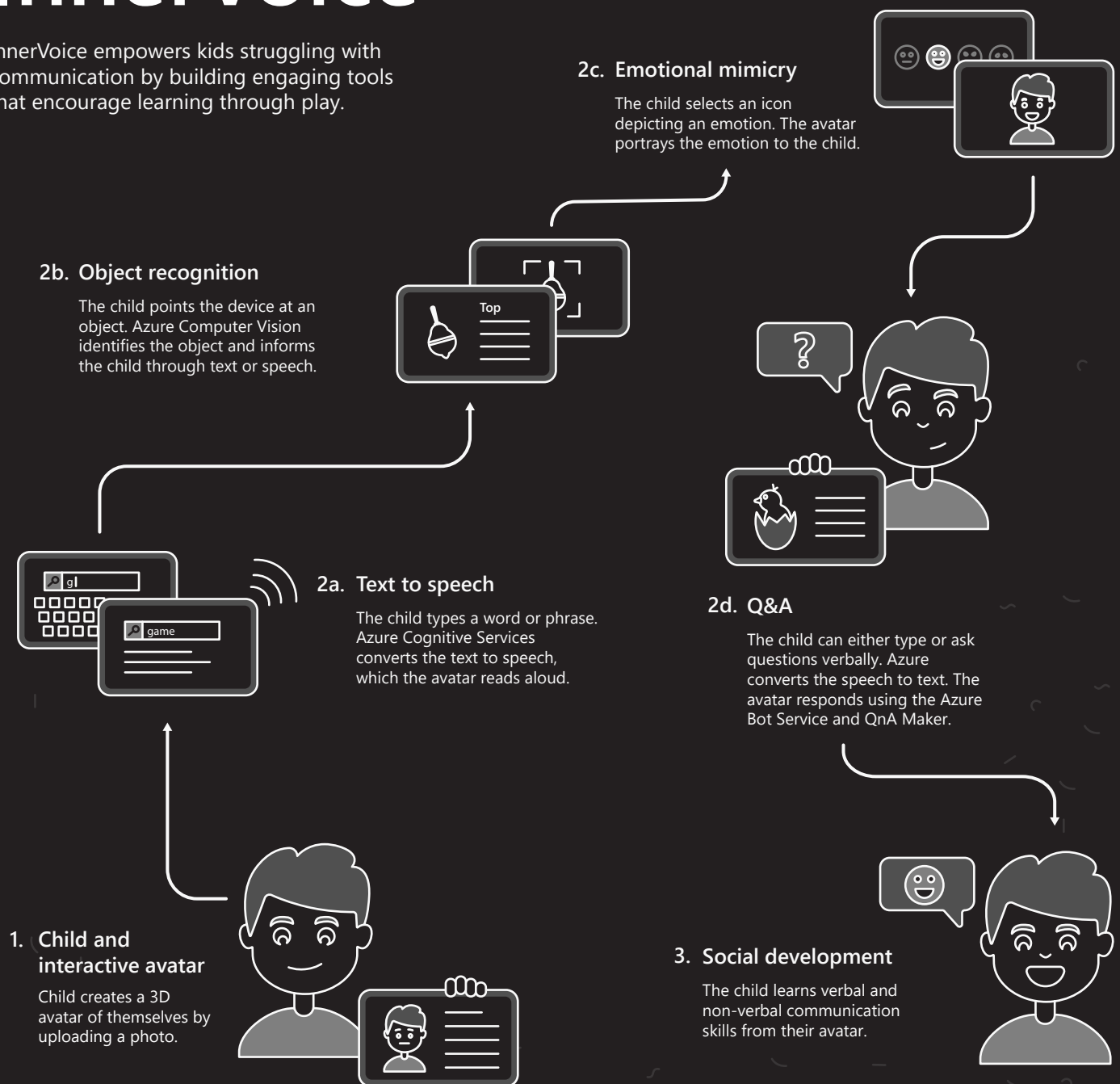


InnerVoice

InnerVoice empowers kids struggling with communication by building engaging tools that encourage learning through play.



Challenge

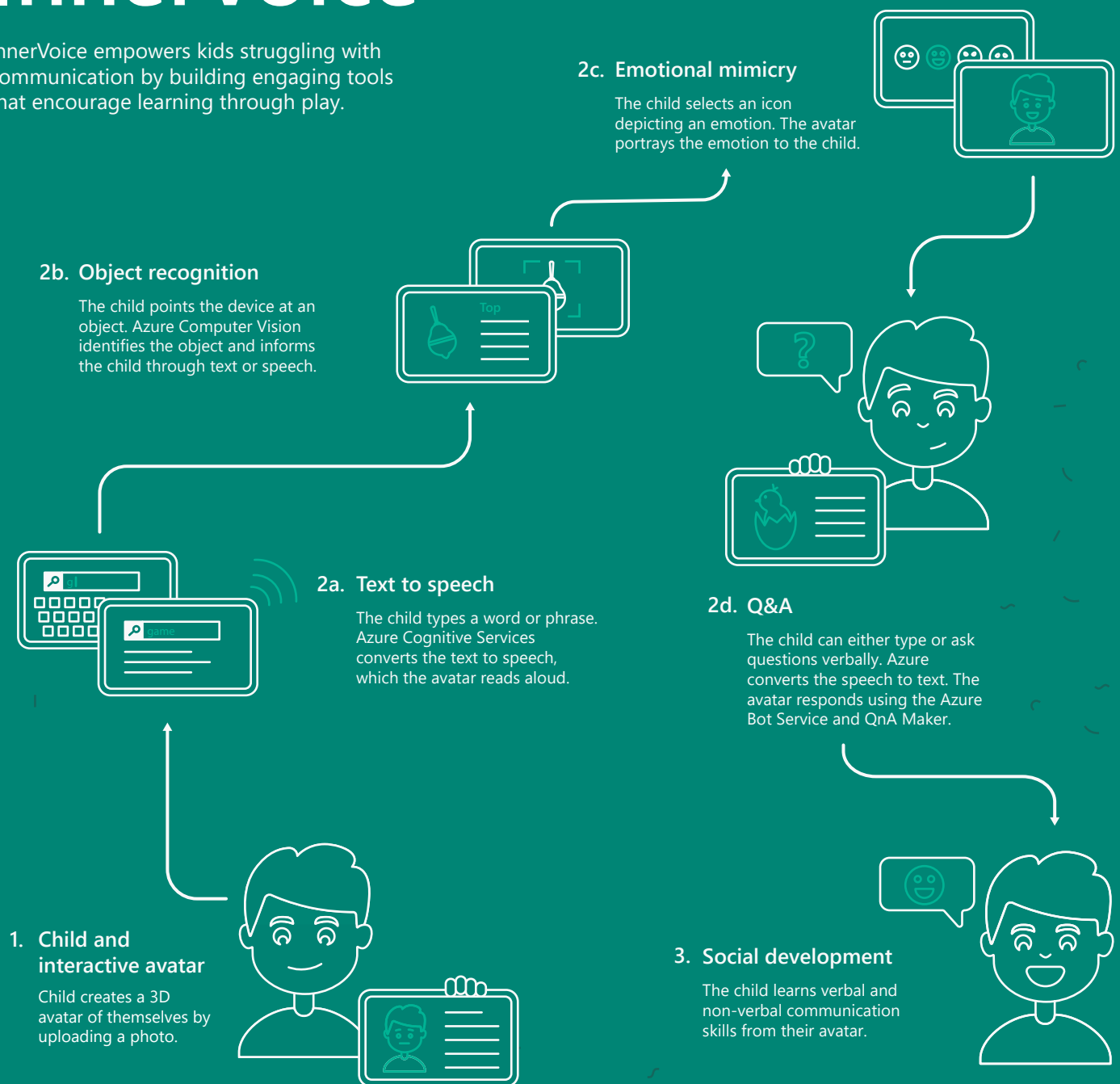
From a young age, neurotypical children learn social, cognitive, and communicative abilities by listening to speech and looking at faces. But when these skills develop atypically, the global effects on a child can be profound—such as those seen in children with autism, which affects 1 in 59 children every year. Children with autism often struggle to connect emotions with speech, requiring specialized support to learn basic communication skills.

Solution

Despite their challenges, children with autism can be highly motivated to learn. iTherapy developed the InnerVoice app to help them learn social communication skills from 3D avatars of themselves. Modeled from photographs, the avatars are trained to mimic emotions through facial expression—like happy, angry, sad, etc.—and match them to common phrases like “I’m sorry,” or “Thank you!” Azure Cognitive Services performs text-to-speech conversation, image recognition, and Q&A services, allowing kids to learn standard speech patterns through interaction.

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