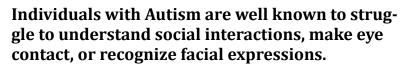
Expression Recognition Glasses for Autism

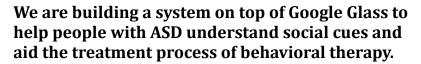








Gaining these skills is often a painful learning process for the affected people and their families, requiring countless sessions of behavioral therapy. While computer assisted in-place treatment systems have been studied for years, little work has been done to bring the learning process away from the flashcards and into the daily life of people with ASD.





Using Glass's sensors including head motion tracking, a microphone, and custom-made add-ons, such as an infrared camera for eye tracking, the software analyzes behavior of the wearer when interacting with other people. The system then gives social cues in real time, for example about facial expressions (i.e. "interested," "frustrated," etc. shown on Glass's heads-up display) and records social responses to analyze them later in behavioral therapy, including the amount and type of eye contact made. This brings behavioral therapy out of the clinician's office and into natural settings.

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