

AUTISMGGLASS

HELPING AUTISTIC CHILDREN WITH SOCIAL INTERACTIONS AND FRIENDSHIPS

By Stanford Medicine

Project URL: <http://autismglass.stanford.edu/>

Project Twitter: [@AutismGlass](https://twitter.com/AutismGlass)

- Health
- Physical Computing

AutismGlass is a tool designed to help people with autism decipher facial expressions by delivering real-time social cues.

Over 1 million children under the age of 17 in the US are on the autism spectrum. These children often fail to recognise basic facial emotions, which make social interactions and developing friendships difficult to sustain. Gaining these skills requires intensive behavioural interventions that are often expensive, difficult to access, and inconsistently administered. The team at Stanford Medicine have developed this system using machine learning and artificial intelligence to automate facial expression recognition that runs on wearable glasses and delivers real-time social cues.

Their novel system uses the outward-facing camera on the glasses to read facial expressions and provides social cues within the child's natural environment. It also records the amount and type of eye contact, which adds an additional layer for behavioural intervention.

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