MOTIVATION

- People with certain intellectual disabilities struggle with communication
- COVID pandemic → virtual communication
- No existing tools that cater to intellectual disabilities

SOLUTION

- Sentiment Analysis
  - Facial expression recognition
  - Emotion recognition via speech
- Accessibility
  - Reactions feature
  - ASD-friendly user interface

INNOVATION

- Emotions are displayed in an easy-to-read manner, making video calls more engaging
- A step forward in improving communication for people with intellectual disabilities

ARCHITECTURE

- Backend Server
- Athlete Input
- Sentiment Analysis
- CueMeIn API
- Microsoft (Image Processing)
- IBM Watson (Audio Processing)
- Frontend

TECHNOLOGIES EMPLOYED

- NodeJS
- Twilio
- IBM Watson
- Azure
- ReactJS

“IT’S TIME TO FOCUS ON ABILITIES, NOT DISABILITIES.”
- JASON SHAWNDALE STEEN, SPECIAL OLYMPICS

MENTORS:

- JOHN SPANN
- ANNE SALGADO
- FNU VINITA
- JOE NAGY
- MEG CRAMER
- NIDHI HIREMATH
- NILESH MISHRA