BestFaceForward

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Partnered with LogMe(n)

Existing Challenges

- Online interviews are impersonal, disengaging, and hard to connect.
- Causes difficulties in gauging a candidate's fit or skills effectively.
- Additional technical issues:
 - Audio & Video Problems



Quotes from Interviewers

"I wouldn't get that experience and I think **body language** in any setting really tells a story as well about where somebody's at and how interested they are or if they even want to be there or that sort of thing."

- Anne S, Account Services Manager

"I think with the video software you definitely **lose a bit of the personal interaction** and and like their **body language**... often times a you have to kind of just derive from the person."

-Brian M, Senior Manager

Quotes from Interviewees

"It feels like there is **no genuine connection nor direct connection** and also no one looks at each other directly."

- Benson C, CS Student

"There is **need for back and forth pauses** to affirm that we can move on."

- Matthew W, CS Student

Solution: For the Interviewer

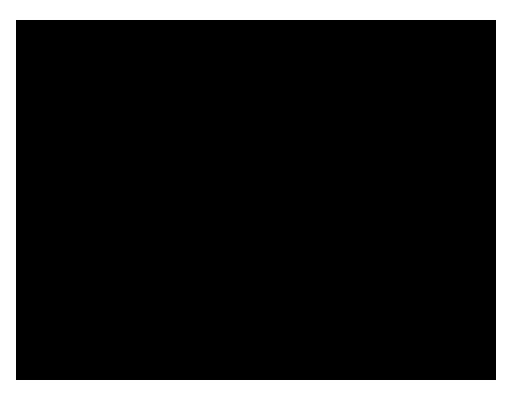
- Engagement and Sentiment Analysis of Audio (voice) and Video
 - Ensure interviewee is comfortable & gain understanding confidence levels
- Access to Resume and personal Notes + Eye Gaze Correction
 - Limit the time interviewer looks away from the screen
- Captioning and Live Translation
 - Bypass poor audio and language barrier
- Reminders (Timed)
- Speech to Text Logging
- Background Blur + Professional Filters
- Screen Share



Solution: For the Interviewee

- Engagement and Sentiment Analysis of Audio (voice) and Video
 - "Breathe indicator" if nervous
- Notes
- Captioning and Live Translation
- Background Blur and Professional Filters
- Screen Share

Demo



Tech Details

- IBM Watson
 - sentiment analysis on text
- Microsoft Azure Cognitive Services
 - o sentiment analysis on video
- Google Cloud
 - translation
- Twilio Video
 - video chat
- Web Speech
 - live transcription

- Node.js
 - Backend Server
- React JS
 - Front-end Web Application
- AWS DynamoDB
 - Database (usernames and interview data)









Technical Challenges

- Speech to text
- Grabbing video frames
- Node JS React client server interaction



Next Steps

- Design and implement UI
 - Login/Join Meeting
 - Transcript, Translation, and Sentiment Analysis display
- Implement Dashboard and Post-interview Analytics
 - Hold interviewee info and interview notes on Dashboard
 - Generate visual report on interview sentiment
- Flush out final features
 - Blur Background and Eye Gaze Detection
- Move website from localhost to a hosting service