BestFaceForward

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Partnered with LogMeIn
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
Tech Details

- IBM Watson
  - sentiment analysis on text
- Microsoft Azure Cognitive Services
  - 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