Vision Statement

Team Name
No Cap Stone

Company Name
LogMeIn

Project Title
Best Face Forward

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Project Overview
Online interviews are impersonal when talking to a screen, disengaging, hard to connect, and difficult to read physical cues. Interview software currently is also highly unorganized through different post-application stages including recruiter screening, first-round, and final-round stages. Because of these difficulties, interviewers often have limited information for a candidate and many times cannot gauge a candidate’s fit or skills as effectively as they could during in-person interviews. In today’s interview platforms, often it is a 2-way (or multiple) video conference call with mute and toggle video capabilities. The conference call is not ideal as many times, it looks as if the individuals in the call are not making direct eye contact, audio may be missed, and a person may not be in a professional setting (i.e. their home). Furthermore, many companies must use separate software to keep track of and communicate with candidates through audio or video. A goal of this project is to merge these functionalities together into a single, effective web application. Another major problem is that the communication side of virtual interviews poses an impersonal experience and both the interviewer and interviewee may miss any body-language and other visual cues. Another goal of this project is to create a personalized interviewing platform to better simulate a real, in-person interview by creating a web application with features including:
- Background Blur
- Filters (professional)
- Engagement and Sentiment Analysis of Audio (voice) and Video
- Access to details such as resume, notes, linkedin profile, github, shared notes
- Speech to Text logging
• Translation of interviewee
• Timers and reminders to ask pre-selected questions
• Live closed captioning and translate features
• Eye Gaze Correction

By getting more out of online interviews, companies will have to interview fewer candidates because they will get a better feel for the soft skills of each candidate during the online process. This will save employers substantial time and labor, as well as helping them select candidates that are a better fit.

**Milestones**
The MVP for this project will be a web application that automatically joins a video call. The interviewer will also be able to create a meeting, which will be accessed by a meeting ID. In the video call you can create notes. The interviewer will be able to see a sentiment analysis during the video call, and their notes. After the video call, the interviewer will be able to see a transcript, their notes, and the sentiment analysis of the call.

**Goals:**
• Host 2 person video interviews with useful widgets for the interviewer
  ○ Checkboxes, timers, notes, agenda, etc.
• Speech recognition to produce a transcript of the interview
  ○ Analysis of sentiment during responses
• Indicators for the interviewer about how the interviewee is responding. This will be a simple colored light helping the interviewer understand physical cues that are hard to pick up over video
• Interviewer and interviewee have a screen showing separate meeting
• Interviewer and interviewee can create notes for a meeting before the meeting and will be able to read and access them during the meeting as well as after the meeting
• Interviewer can see a timer of the meeting time
• Interviewer can create meetings

**Stretch Goals:**
• Eye gaze correction
• Face Sentiment Analysis from **live** video stream
• Multi-person interviews

**Strategy & Technologies**
To stay on track we will follow this plan:
● Daily scrums (5-day) and weekly meetings with mentors
● Two week sprints ending with integration
● Github version control with branch separation per component
● Trello to track progress
● Facebook Messenger group as primary communication
● Division of team for front-end, backend
● QA check by two members for every pull request

We plan to use the following technologies:
● Node.js and React (JS) for our web-application
● AWS for our database and to host our application
● Tensorflow as our primary machine learning library
● IBM watson for sentiment analysis