ALPHA HEALTH

**Mentors: Anav Sanghvi • Brendan Haverlock • Aditya Nadkarni
Changsheng Su · Jenny Aoyama · Huake He · Siyuan Wang · Yuxiao Luo**

Motivation

• Patients don't understand complex medical terms
• Patients and Doctors want to track past appointment records easily

Solution

Use NLP to analyze the conversation in real-time:

• Users can check the definitions by clicking on complex medical terms.
• Users can review their post-visit summary.

Innovation

How Alpha Health differs from other Telehealth solutions:

• Transcribe and Comprehend conversation in real-time for patients
• Generates the post visit summary automatically for doctors

Communicate	Conversation analysis	Review
Face-to-face communication between users	**Extract and categorize medical terms**	**Review past visit report for follow-up**

Architecture

Patients ↔

Doctors ↔

ALPHA HEALTH
- REACT
- NodeJs
- Firebase

Transcription & Comprehension ↔ amazon web services

Video Conferencing ↔ twilio

Definition → Google

Technology React · node JS · Firebase · twilio · amazon web services