

Modernizing emergency responses

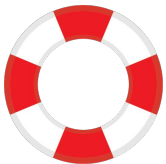
The Problem: Lack of Information

- Realized 911 was outdated
 - Only one channel for information
- Issue extends into a variety of emergency situations
 - EMS responders don't have full medical profiles
 - Police officers aren't sure who the suspect is
 - Dispatchers struggle to get accurate descriptions
- A fundamental lack of information channels
- SOS creates these information channels!

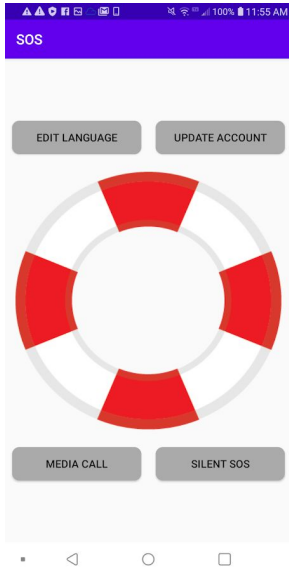


The Solution: SOS

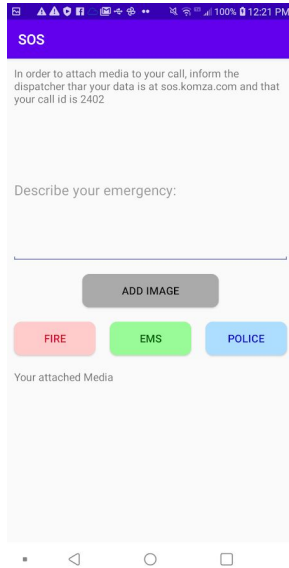
- A two-party solution to the information problem
 - Mobile app for users to create new information channels
 - Dashboard for 911 dispatchers to display the information
- New ways of communicating with 911 dispatchers
 - Taking/sending pictures/media
 - Automatic location services with Google Cloud
 - Translation services with IBM Watson to eliminate language barriers
 - Silent SOS: A TTS call with information automatically sent



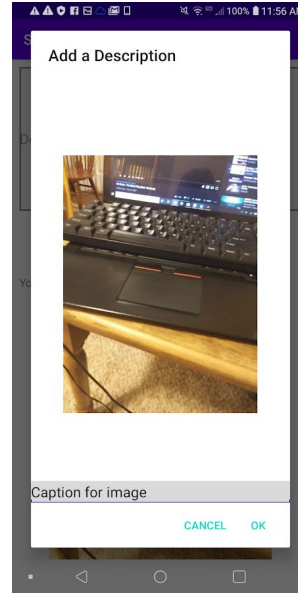
The Civilian: SOS App



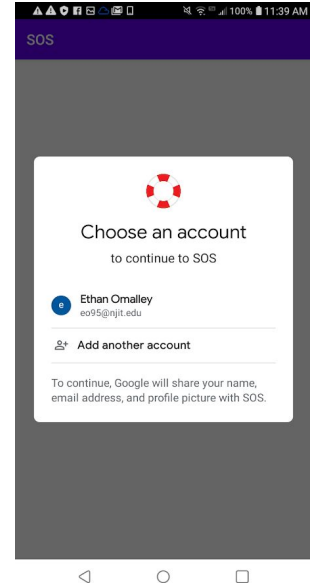
Home screen



Media interface



Sending an image



Linking FitBit data



The Dispatcher: SOS Dashboard

SOS Emergency Services Login

Enter 4-digit code:

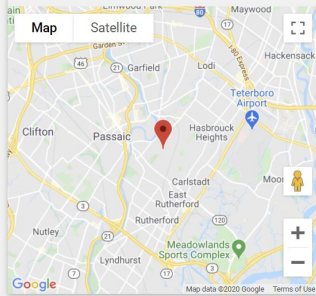
Enter



SOS Dashboard

Police

Location



Description

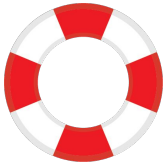
I was skateboarding, and somebody stole my skateboard! I've attached an image of him, please find him!

Health Data

name: Ethan
gender: Male
height: 1.8034
weight: 72.98295
language: English



This is the criminal who stole my skateboard! Please find him!



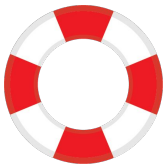
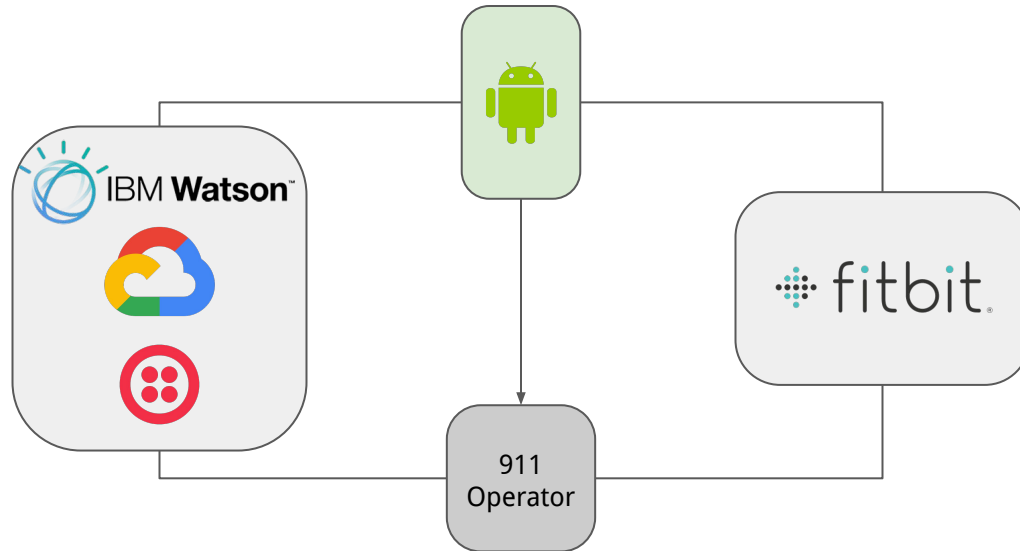
Outline: The Themes of SOS

- Theme 1: Stronger Connected
- Theme 2: Case Studies
- Theme 3: Limitless Possibilities



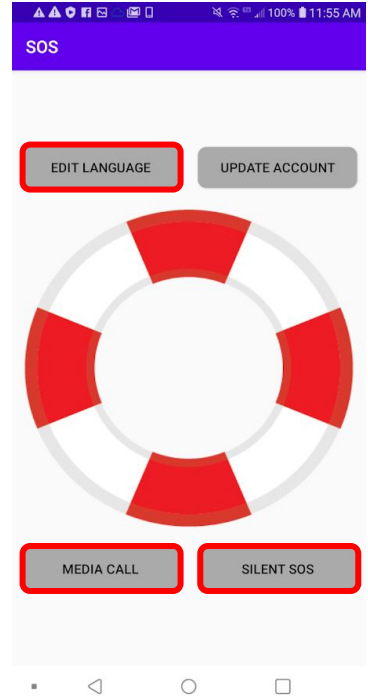
Theme 1: Stronger Connected

- Two main new categories of information channels
 - Pipelines for functionality
 - Pipelines for information



Theme 2: Case Studies

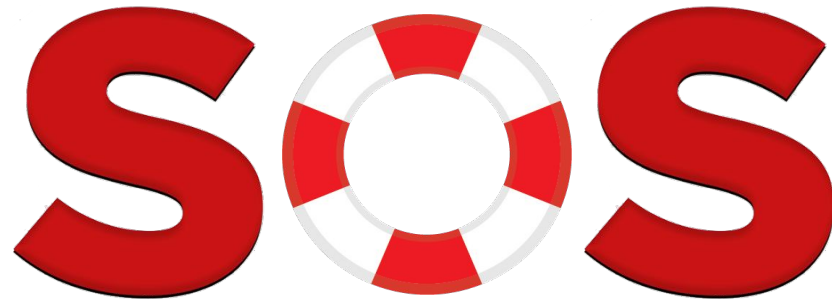
- Let's see exactly where SOS shines
- Unsafe driving
 - Old: Trying to describe a car or read a license plate
 - New: Just take a picture!
- Home invasions
 - Old: Hoping your area supports texting 911
 - New: Automatic transfers of all information with one click
- International emergencies
 - Old: Not knowing local numbers or languages
 - New: Everything is translated and local numbers are updated



Theme 3: Limitless Possibilities

- Information interfacing
 - Health records for EMS
 - Contacting social workers for specific emergencies
 - Live location updates for location-sensitive emergencies
- Logistics
 - Calculating ETAs of emergency responders
 - Enqueueing emergency requests when dispatchers are occupied
- SOS enables new ways to approach emergencies





Thank you!
Questions?