· IRIS

Bridging the Communication Gap



OUR TEAM



Krishna Nandc **Team Lead**



Renee Labutay
Scribe



Regina Weinreb



Alex Rasla



Raymond Deng

MENTORS



Lauren Hedberg



Caitlin Davis



Luan Vieira



Rachel Pham





Video conferencing services have seen a

10x increase in usage.

Autistic People Are Struggling

sensory overload

Autistic burnout



detecting emotions, tone & sarcasm

** Autistic adults are unemployed

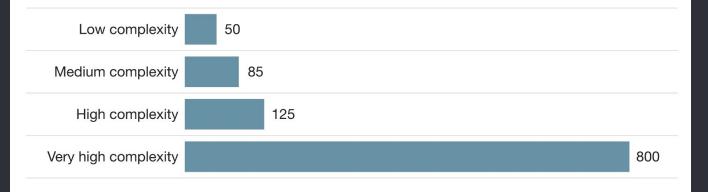
There is an untapped potential that almost no one is paying attention to

Talent Matters

Exhibit 1

The relationship between quality of talent and business performance is dramatic.

Productivity gap between average performers and high performers, by job complexity, %

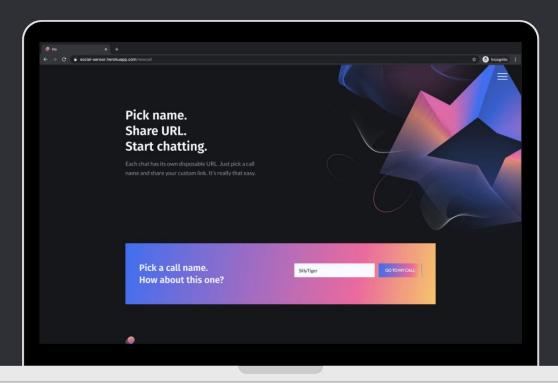


McKinsey&Company | Source: "McKinsey Global Survey: War for talent 2000," refreshed in 2012

IRIS

Inclusive Video Calling for the Workplace

IRIS — a lightweight video call platform



IRIS FEATURES

Stressors Solutions

Meet Krishna



Has trouble navigating social interactions

Has a meeting with his manager, Alex

TECHNOLOGIES WE USED















TECHNICAL CHALLENGES

1. Scaling Iris to 10k users, <<1s inference

2. Autonomous self-tuning

3. Future work: openFER

TECHNICAL DETAILS: P2P Overview



Server-Based video calling



Peer-to-Peer video calling

TECHNICAL DETAILS: P2P at Scale

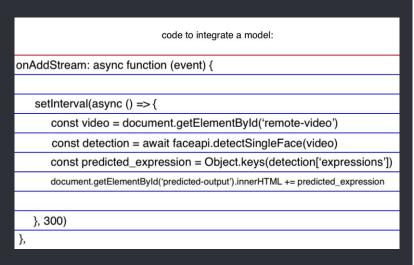


Server-Based video calling



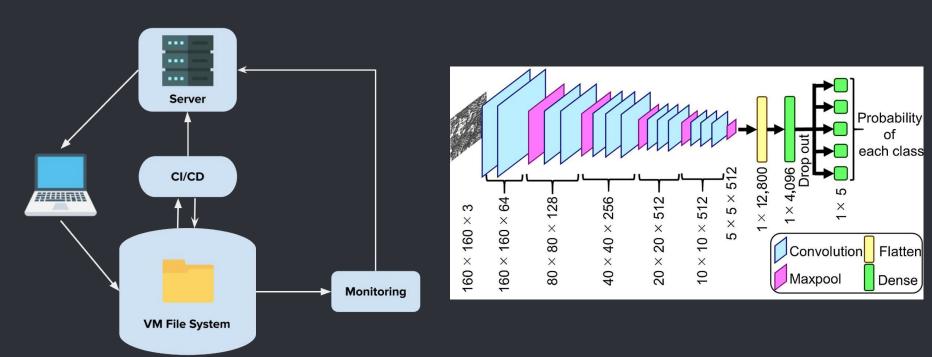
Peer-to-Peer video calling

TECHNICAL DETAILS: Code Simplicity

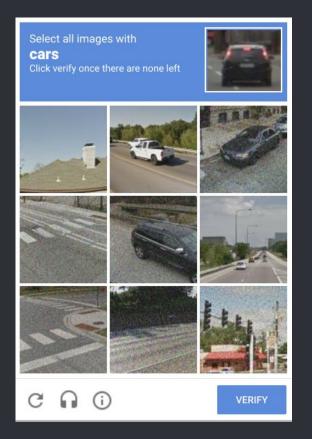


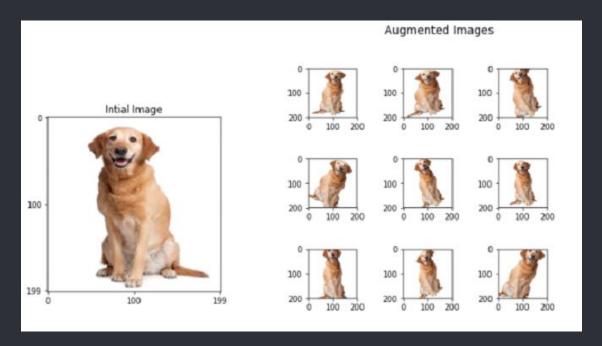


TECHNICAL DETAILS: Self-Tuning System



Future Work: openFER

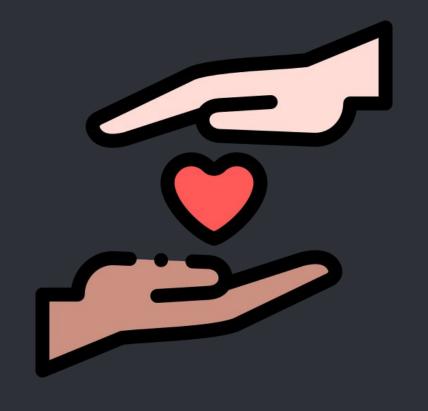




BREAKING DOWN SOCIAL BARRIERS



MAKING THE WORKPLACE MORE INCLUSIVE



Thank you! ANY QUESTIONS?



StorkeAI

Recorded Demo

