

Augmented Reality: Android HUD for Face Recognition

Project Description:

Head-Up Display system for recognizing faces from a database, and displaying relevant information.

Use Case:

CEO at a meeting

- know current employers
- know salaries

Alzheimer patient

- remembering family, friends

Hardware:

MOD LIVE HUD

- Android
- Bluetooth
- small display
- external remote
- made for alpine goggles

Mount:

- Bicycle helmet
- Also holds Android phone

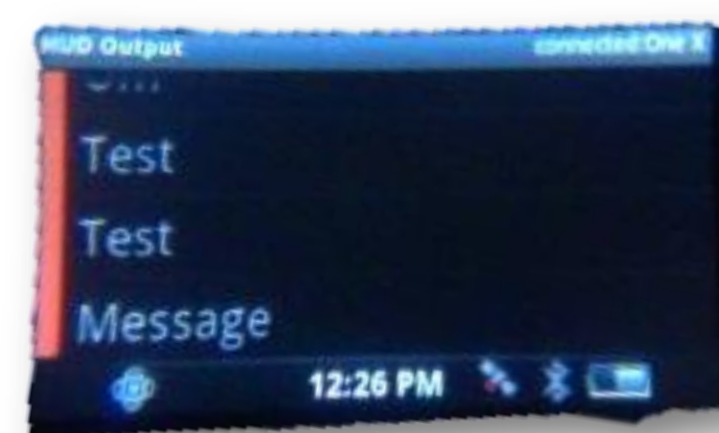
Face Recognition:

Fischerfaces algorithm

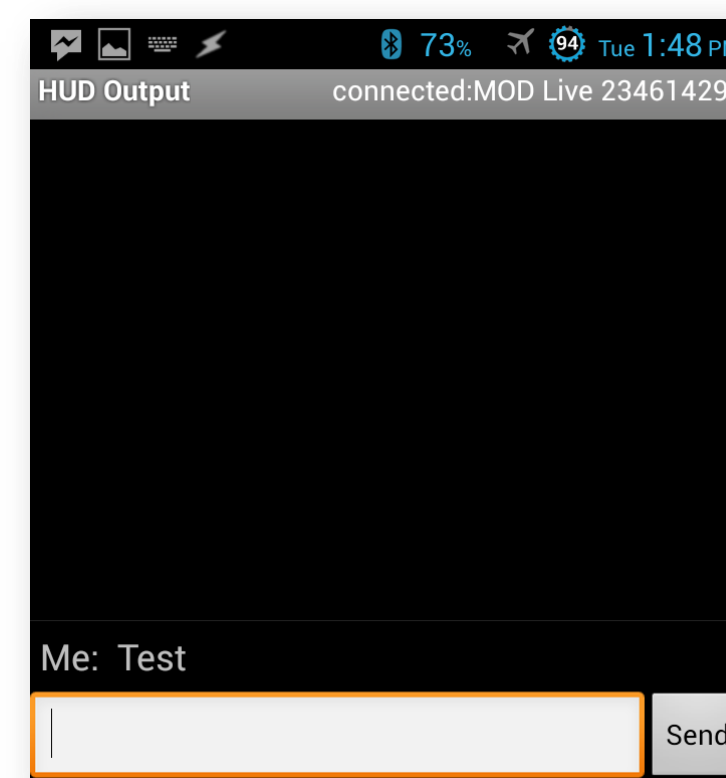
- Prebuilt cache from training images



MOD LIVE HUD



HUD App



Phone App



Mount



Training Images



Cache Files



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github.com/revansopher

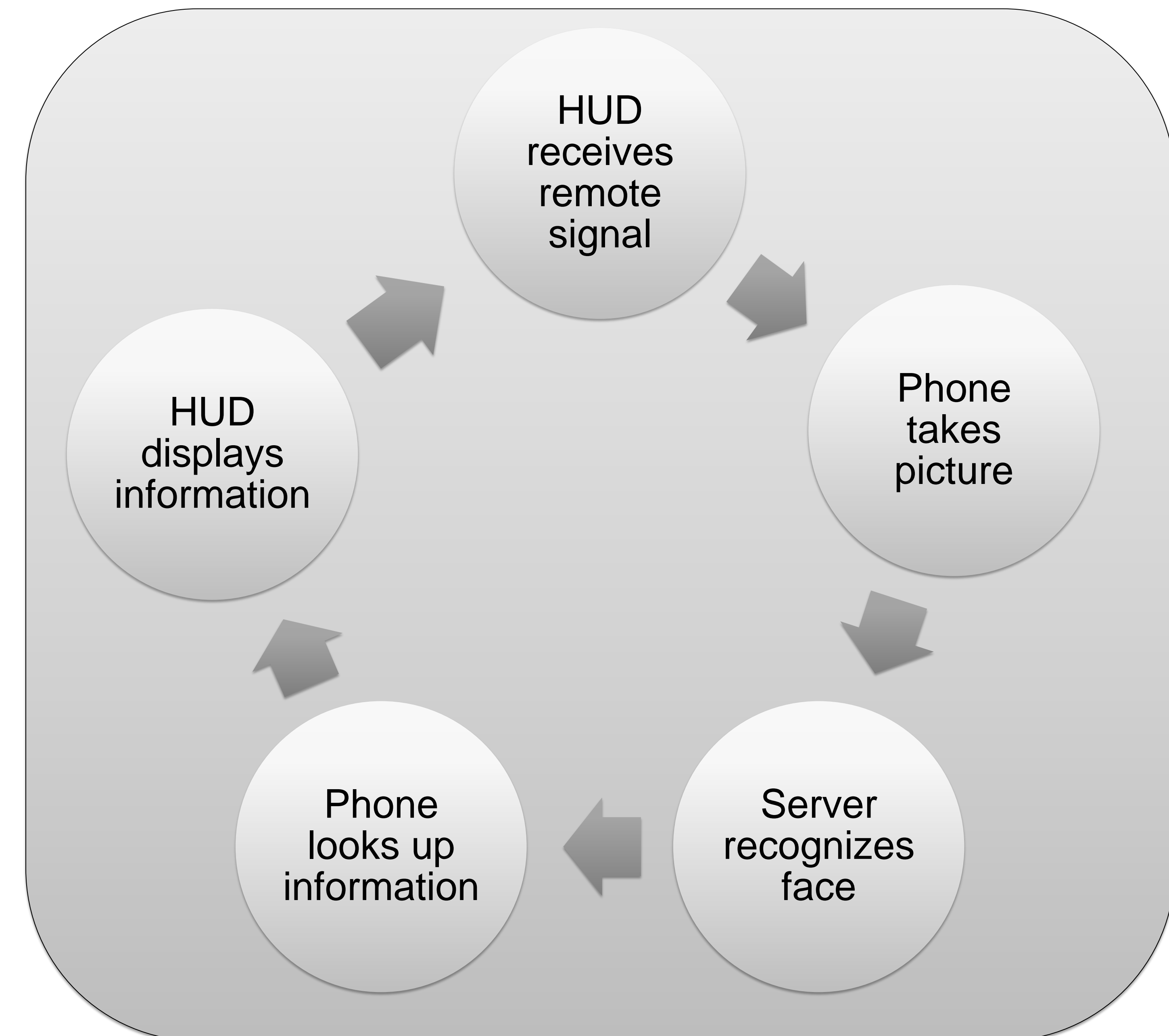


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Future Work

- port to less obtrusive device
- Google Glass
- Local recognition
- Eliminate server, internet access
- Create tool to organize training images