* Deniz
  + Android Dev
* Soham
  + Computer Vision
  + Image Proc
  + Signal Enhancement
  + Image Denoise, ML, 3D Sim
* Zaynab
  + LED Finger - How do we modulate the light and connect it with the phone
* Alan

Regular Time: Friday 2pm-2:30pm / week

Prototype Goals:

* Know how to modify some parameters and use the smartphone to track patterns
* How to modify rolling shutter rate
* Basic application to capture the gesture pattern

Final Project Goals:

* Integrate with a AR/VR device

Do research on how to do machine learning for gesture smoothing

Smooth writing traces

A stable camera, finger will have an led light, application/camera will capture all the locations of the finger and it generates what a person without parkinson’s would write.

LED Gloves

* Setup Light

Mobile Application (Basic)

* Basic App Design
* Receive Camera Feed

Image Processing

* Pre processing
* Post processing
* 3D Representation

Machine Learning

* Smoothing
* Letter/Word Recognition