



Project Resources: YouTube Tutorials, GitHub Repositories, and Useful Links

Members Name

1. Shehab Mohamed
2. Mohamed Aziz
3. Mahmoud Emad
4. Salema Abdeltawab
5. Basmala Tarek

Eye Tracking with Phone & Gaze Fixation Accuracy:

[stroblmar/iTrackerWrapper: Python wrapper for the eye tracking algorithm iTracker, developed for our study "Look me in the eye: Evaluating the phone-based eye tracking algorithm iTracker for monitoring gaze behaviour" \(Strobl et al, 2019\).](#)

Response Time:

[optimization - How to calculate percentage improvement in response time for performance testing - Stack Overflow](#)

Eye tracker control:

[Eye tracker to control a pointer using machine learning - facial mapping with Dlib + python + openCV \(youtube.com\)](#)

[How to Set Up EyeGazeGames.com for Eye Gaze Pointer Control \(Mouse Emulation\) \(youtube.com\)](#)

[Eye Can Fly - Accessible Game - Tobii Dynavox Global](#)

Gaze fixation Accuracy:

Vestibular Assessment And Treatment: Gaze Fixation (youtube.com)

deep learning system for video nystagmus detection:

nphilip1098/pupiltrack-nystagmus: This repository contains a robust pupil tracking algorithm that incorporates RANSAC for better outlier rejection during extreme eye blink artifacts (github.com)

The use of smartphone in nystagmus

Optokinetic nystagmus

Testing

Examination of Gaze Holding Deficit Gaze Evoked Nystagmus (youtube.com)

[6] <https://youtu.be/5vPCL7MaSDk>

[7] <https://youtu.be/953KXffEmLU>

FPS Eye Training Warmup (HIGH FPS)

tobii eye tracker

[How to set up the TOBII Eye tracking \(youtube.com\)](#)

Eye tracking & game

[Eye Tracking with Python – Demo GazeTracking \(youtube.com\)](#)

[3D Ball Tracking in Virtual Environment | OpenCV Python](#)

[Send Data From Python To Unity TCP Socket](#)

https://www.youtube.com/watch?v=fGHde1h_yaA

[The NEW Splines Package in Unity!](#)

[Splines are Awesome!!!](#)

[Making a Spline Train Using Rigidbodies to Move | Unity C#](#)

[Avoidance in how to create an AI Bot Race Car Controller in Unity tutorial Part 2](#)

[mediapipe/docs/solutions/face_mesh.md at master · google-ai-edge/mediapipe](#)

Eye Tracking Techniques including Computer Vision:

[10 Best VR \(Virtual Reality\) Apps for Strabismus and Lazy Eye](#)



Unity:

(26) Unity Slider in 4 Minutes - [Unity Tutorial] - YouTube