

CELEBRATIONS

ACHIEVEMENT, COMMITMENT, EXCELLENCE

Hacienda La Puente Unified School District

Board of Education Meeting

July 17, 2025



CONDITIONS OF LEARNING





NUTRITION SERVICES

Healthy Choices  Healthy Future

Nutrition Services On The Move!



As Mesa Robles undergoes an exciting kitchen renovation, the Nutrition Services Food Truck rolled in to keep the meals going strong—bringing fresh, delicious food and a fun experience straight to students!



 Meals Served: 6,500

 Students enjoyed healthy, scratch-prepared meals served directly from our innovative Nutrition Services Food Truck.

 Featuring:

- Fresh fruits and vegetables
- Hot, nutritious entrées
- Friendly service from our amazing staff!

 Thank you to our incredible Nutrition Services team for making school meals engaging, fun, and accessible!



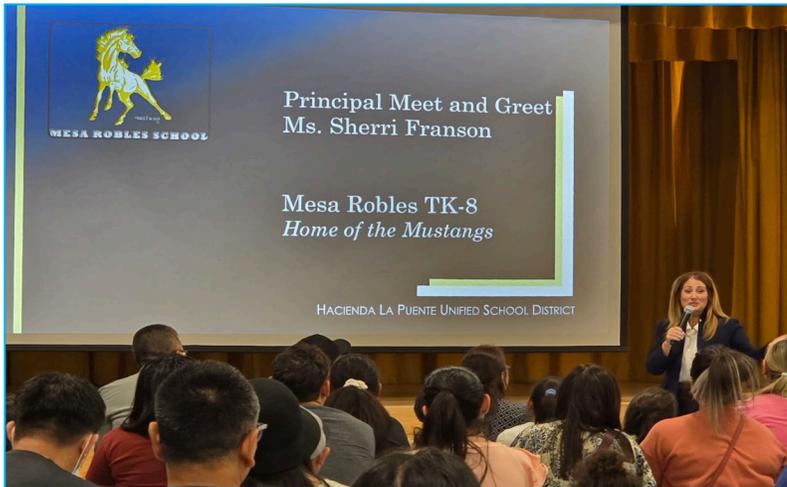
New Principal Meet and Greets

Grazide ES – Dr. Samuel Yi



Workman ES – Amy Moss

Mesa Robles – Sherri Franson



Project BOARD KIT

FallGuard: A Realtime Fall Detection System

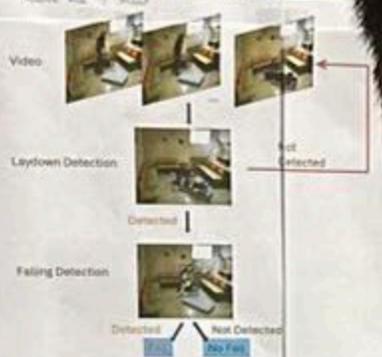
ABSTRACT

Falls are a leading cause of injury, particularly among the elderly and individuals with mobility challenges. More than one in four people aged 65 or older fall each year, with falls contributing to hip fractures and traumatic brain injuries (TBI). This project aims to protect individuals by providing a real-time fall detection system. To make this project, I used MediaPipe to mark human landmarks and compute vertical velocities of the shoulder, combined with bounding-box analysis to identify falls. To validate the system, a variety of tests were conducted using two publicly available datasets: the UR Fall Detection dataset and the Le2i Fall Detection Dataset, comprising a total of 250 videos covering various fall and normal scenarios. The system was evaluated based on detection accuracy, specificity, precision, sensitivity, and F1-score. The proposed method achieved a 91.15% detection accuracy while maintaining real-time performance at 32 frames per second (FPS) on a laptop with an Intel Core i5 CPU.

PROBLEM

- Falls are a leading cause of injury, especially among the elderly and individuals with mobility challenges. More than one in four people age 65 years or older fall each year. The risk of falling — and fall-related problems — rises with age. Each year, nearly 319,000 older people are hospitalized for hip fractures. Falls are the most common cause of traumatic brain injuries (TBI). An effective fall detection system can mean the difference between a quick recovery and severe complications. [1]
- The inspiration behind this project comes from my own family. A few years ago, my grandmother suffered a serious fall, hitting her head and experiencing severe bleeding. She was in the ICU for a week, and it was a terrifying experience for all of us. That moment made me realize how important fall detection is—because in many cases, a quick recovery can mean quick recovery. This project is a quick response to a real-world problem. Instead of being concerned about technology, it's about being concerned about people. I want to help people feel safe and secure in their homes.

Algorithm workflow



Laydown

To tell if the person is laying down, we check its height to width ratio. These are calculated using the following equation to the...

RESULTS

Equations used to evaluate

$$Accuracy = \frac{TP}{TP + FP}$$

$$Precision = \frac{TP}{TP + FP}$$

$$Sensitivity = \frac{TP}{TP + FN}$$

$$Specificity = \frac{TN}{TN + FP}$$

$$F1 = 2 * \frac{Precision * Sensitivity}{Precision + Sensitivity}$$

Test on two Public Datasets

- Two public datasets we tested on:
 - UR Fall Detection dataset [2]:
 - 30 falling videos, 40 daily activity videos
 - each Fall Detection dataset [2]:
 - 250 videos
 - 4 different scenarios
 - Two of them have annotation files



Method	Accuracy	Specificity	Precision	Sensitivity	F1
Proposed Method	0.9115	0.9115	0.9115	0.9115	0.9115
Other Method	0.85	0.85	0.85	0.85	0.85

Comparison with Other Method

The proposed method achieves higher accuracy, specificity, precision, and sensitivity compared to the other method. This is because the proposed method uses a more advanced algorithm to detect falls.

Kevin Tang: A 3M Young Scientist Challenge finalist from Hacienda Heights, CA.

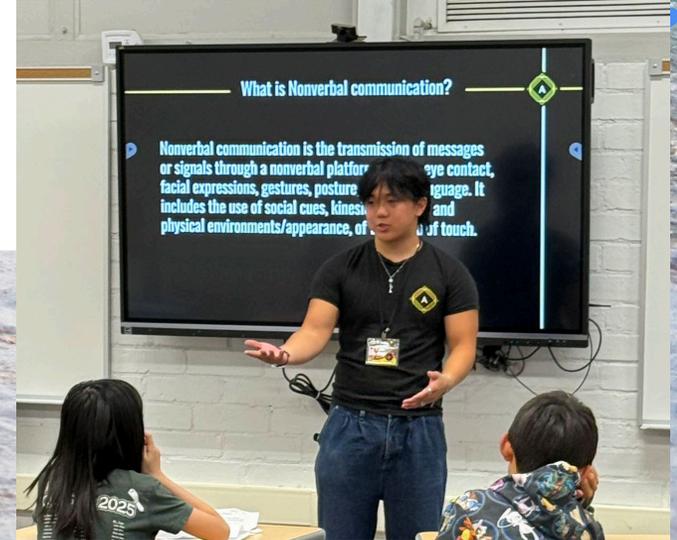
'FallGuard' real-time fall detection system uses video analysis and smart alerts to safeguard older adults at home, even in the dark. His innovation earned him a spot among the top 10 national finalists, with mentorship from 3M scientists and a chance at \$25,000 and the title of America's Top Young Scientist.



District-wide Summer Speech Camp

for Gr. 5~12 July 7~18

At California Elementary & Sparks Middle School



HLPUSD Summer Graduation Ceremony



Class of 2025



Congratulations



PARENT & FAMILY ENGAGEMENT





1880 Tickets Sold!
Over 75 Parent Volunteers!

130 Students from Across HLPUSD took part
onstage, backstage and in the orchestra!

THANK YOU

