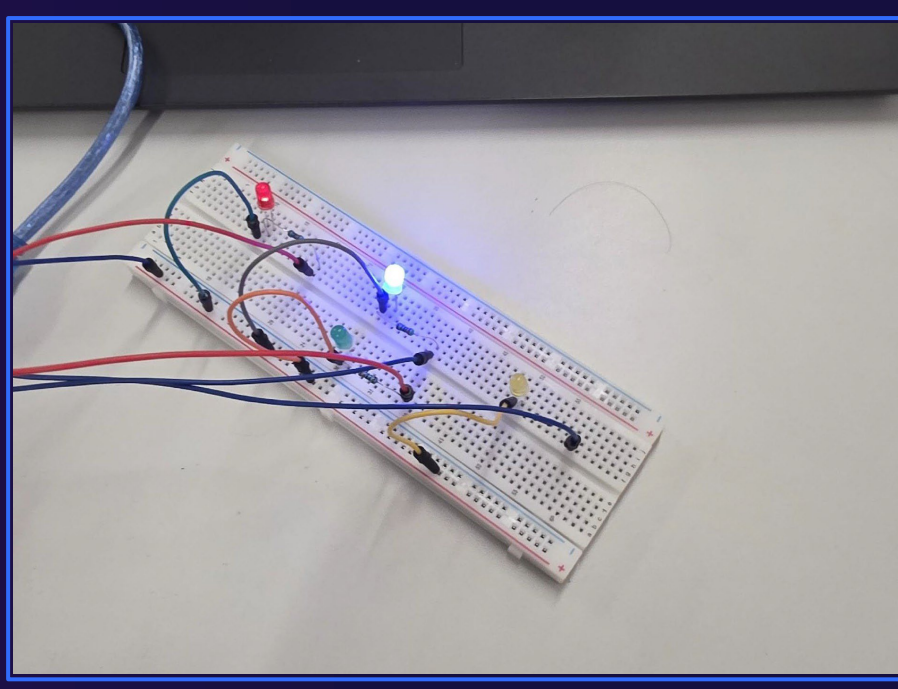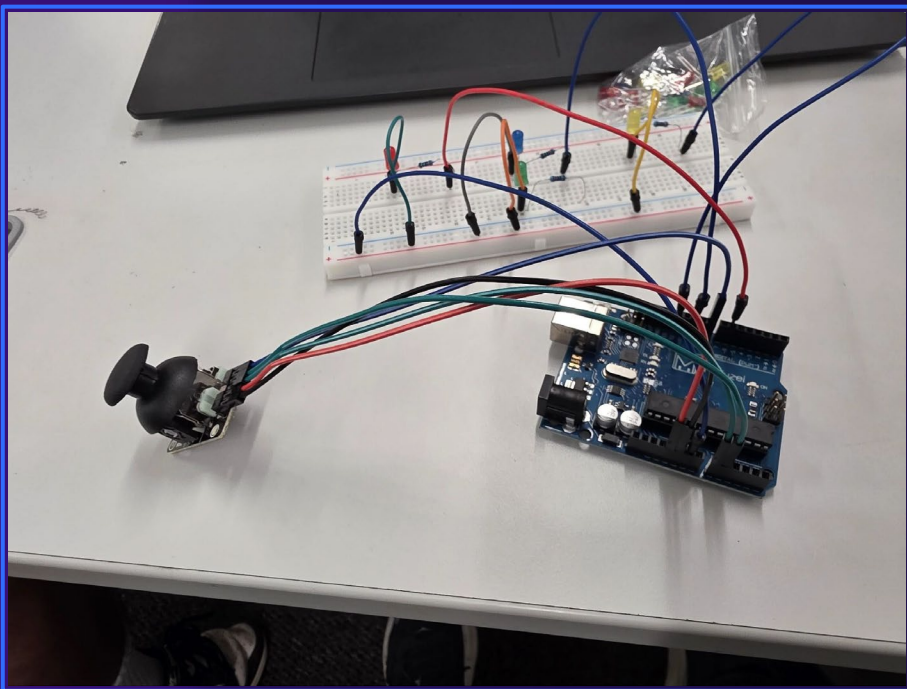# SMART Internship Program: Summer 2025 Overview
Integrating Hands-On Projects, Academic Growth, and Research Exposure
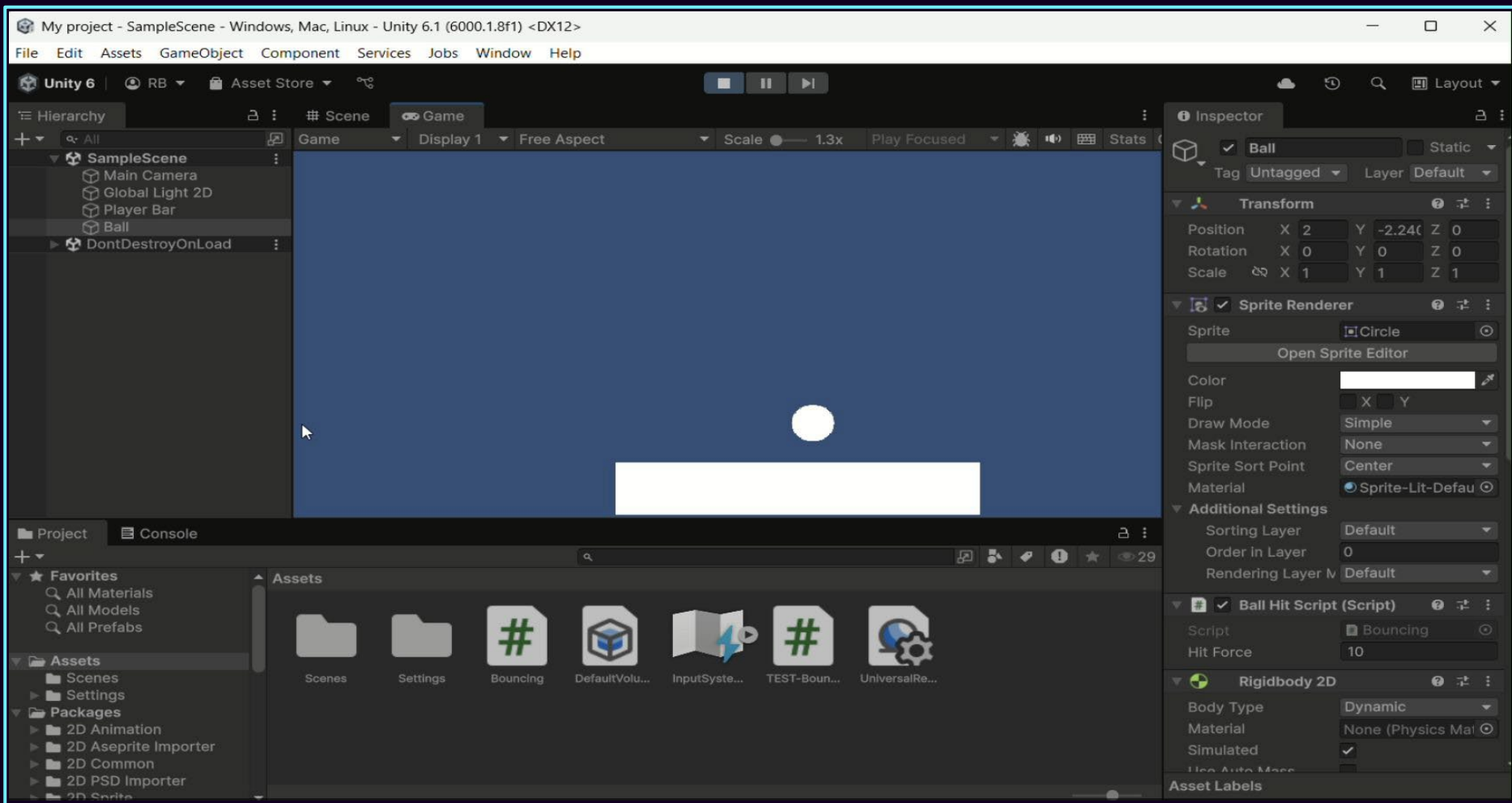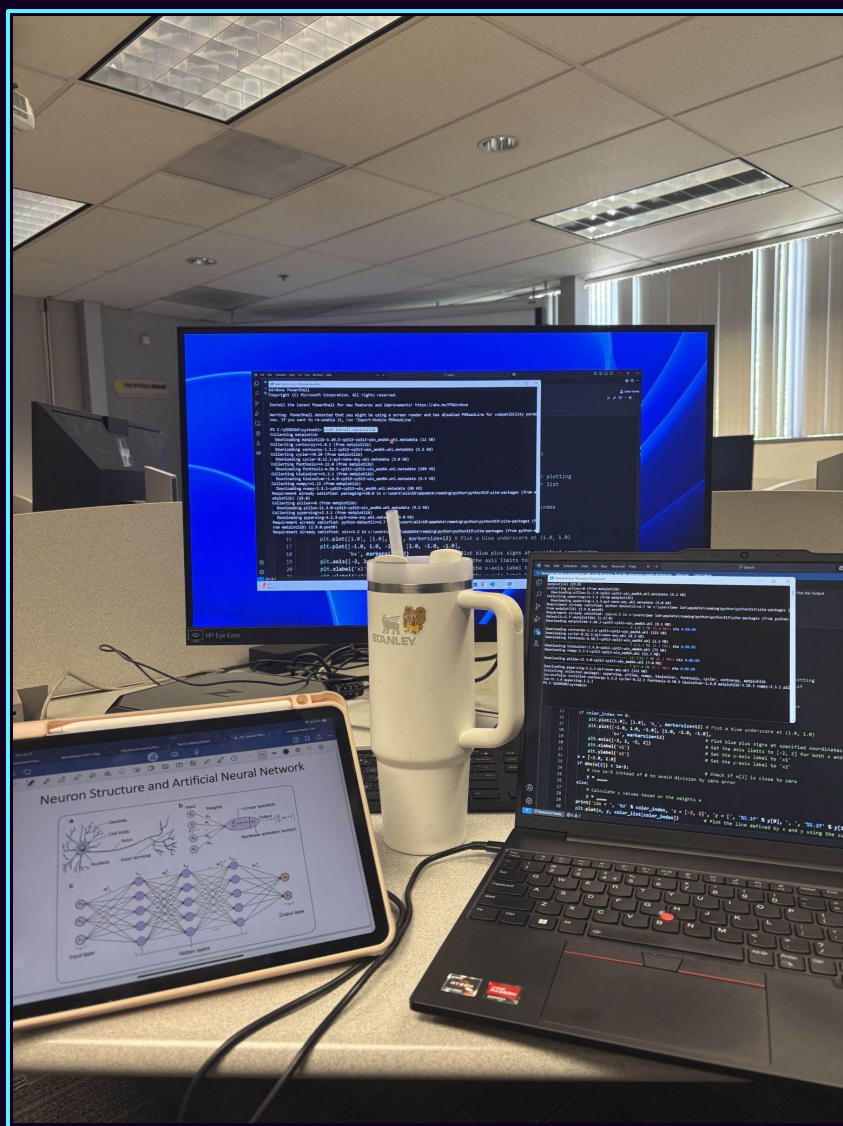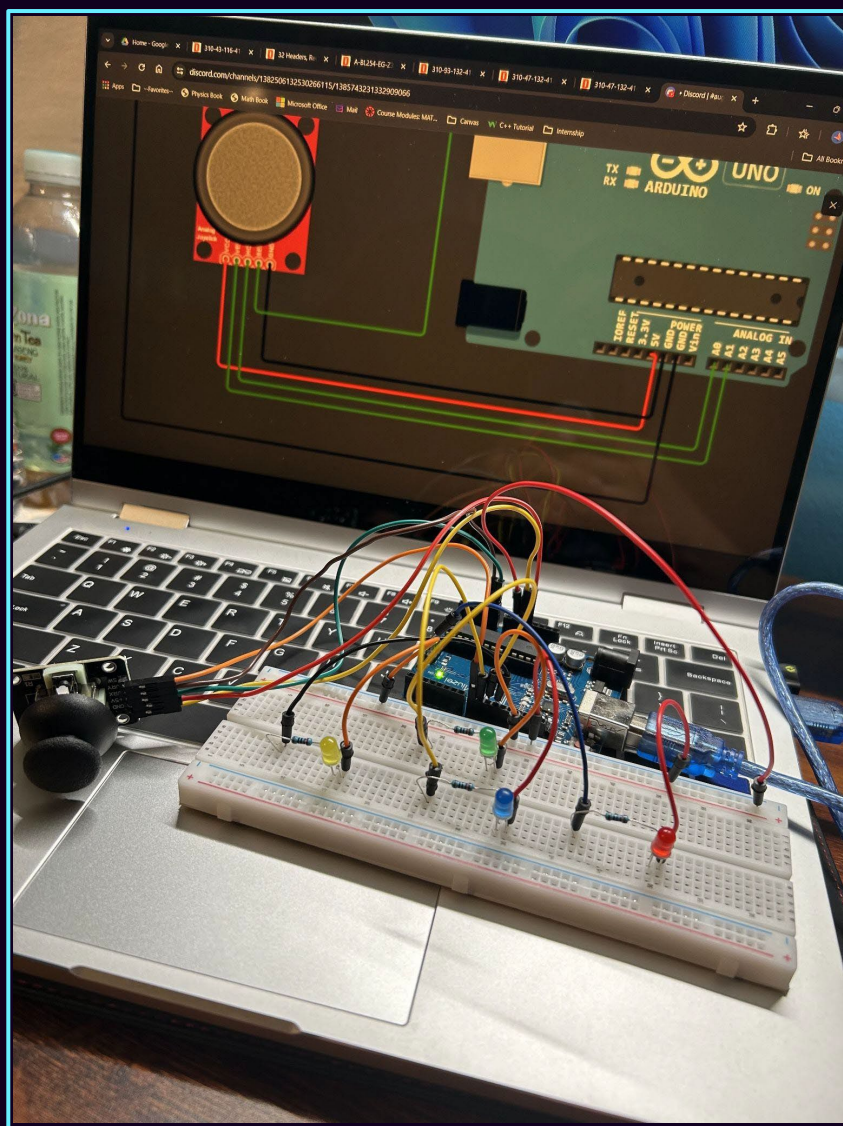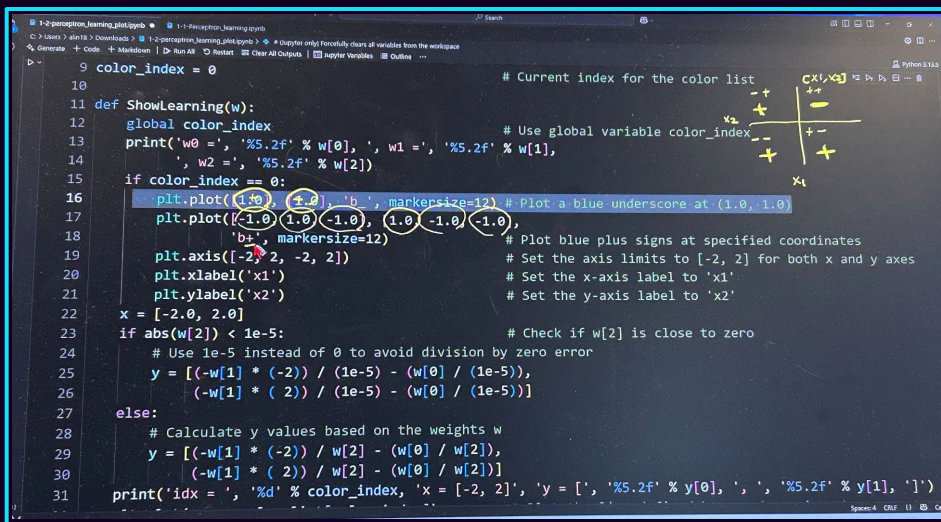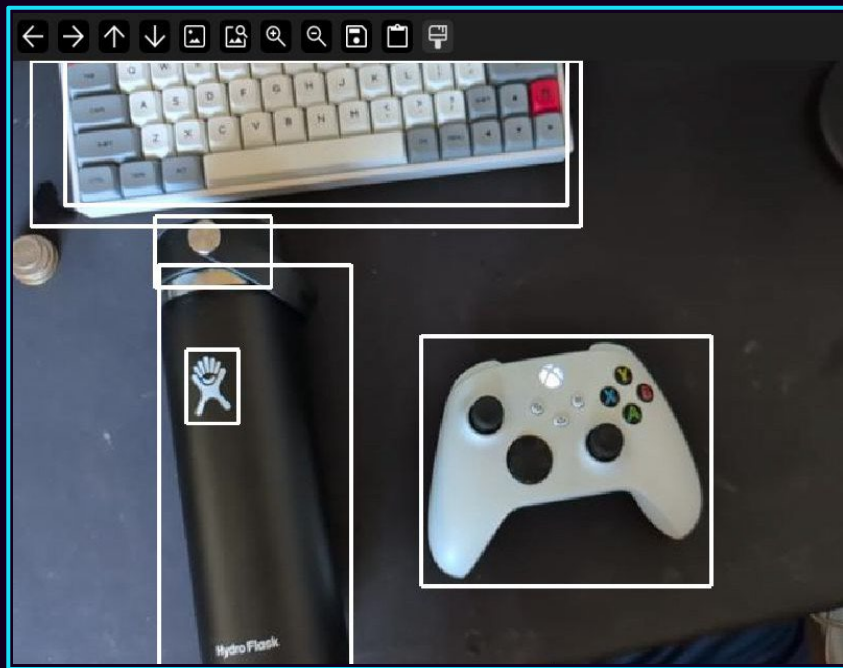
CAL STATE LA ECST | GROWTH SECTOR

TA Workshops

Basic Electronics
With Guadalupe

- Understood how **electronic boards work**
- Learned how **resistors** reduced voltage and protect components
- Practiced using a **breadboard** to build circuits
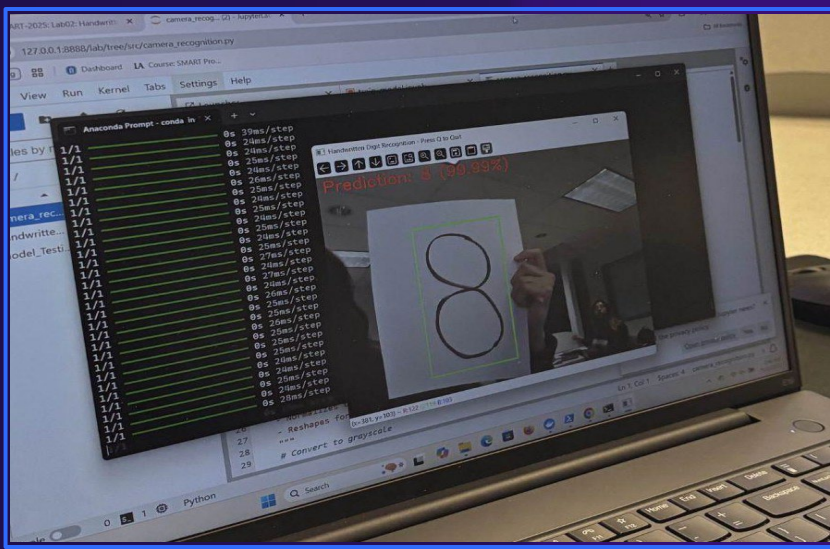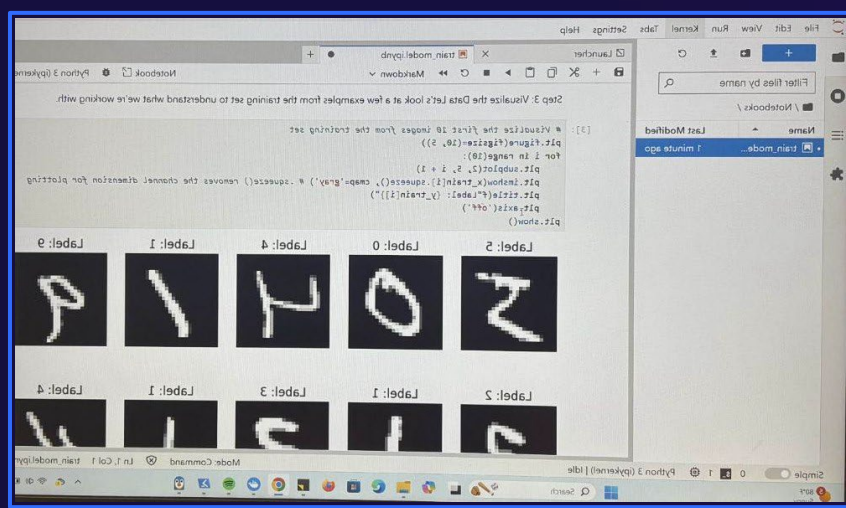- Installed **resistors and LED Lights**
- Programmed **Arduino** boards

Python & Computer Vision Fundamentals
With Arun

- Introduced the **basics of Python**
- Explored **Jupyter Notebook** for writing/testing code
- Introduction to Intel Dev Cloud & Neural Networks for **computer vision**
- Explored the basics of **OpenCV library** for object recognition

Neural Networks & Digit Handwriting Detection
With Prof. Lin

- Explored **Neural Network concepts** through **perceptron learning**
- Managed the AI environment setup and deployment using **Docker, Conda, and PowerShell**
- Applied **Computer Vision** techniques to classify **digits** from **live camera input**

Unity Basics & Arduino implementation
With Robert

- Introduced to Unity, a game engine and a real-time 3D development platform used to create interactive content like video games, VR, and AR experiences
- Microsoft Visual Studio Code is the default script editor to modify or change different forces of an object in game