Troubleshooting:

1. I didn’t know sending & receiving data counted as transactions and cost money
2. My ESP32 initially didn’t work due to missing drivers
3. Solidity didn’t let me initialize all elements of an array at once like python, also creating fixed size ones at runtime. I resorted to adding a temporary one to an declared dynamic one.
4. ESP32 cam module didn’t work & I had to try tons of trials of driver installation, setting changes, wiring changes to get it to finally work

Software:

* Solidity programming language
* Ganache (simulates Ethereum behavior)
* Remix Studio to test, VScode to deploy
* Web3.py to interact with contract