A few suggestions on more coding

**More C/C++**

Book – if you want to learn disciplined coding, starting with C book

<https://learncodethehardway.org/c/>

Online reference for C++ on a computer (instead of an embedded controller)

https://www.learncpp.com/

Online via Udemy

* Learn C++ by Creating ($9.99 – normally $19.99)

<https://www.udemy.com/course/learn-to-program-cpp/>

* Learn C++ Programming -Beginner to Advance- Deep Dive in C++ ($11.99, regularly $179.99)

<https://www.udemy.com/course/cpp-deep-dive/>

**Algorithms – learning about data structures and algorithms is foundational to writing efficient code**

https://www.udemy.com/course/data-structures-and-algorithms-in-c/

**Linux – learning scripting on a Linux system (or macOS) with bash**

<https://www.udemy.com/course/bash-mastery/>

**Learning Python – note, there is a Python 2 and a Python 3. You’ll want to learn Python 3.**

Learn Python 3 the Hard Way

<https://learnpythonthehardway.org/python3/>

Online class via Udemy

* The Python Mega Course: Build 10 Real World Applications ($11.99 usually $199.99) <https://www.udemy.com/course/the-python-mega-course/>

**Intro to MicroPython**

<https://realpython.com/micropython/>

<https://learn.adafruit.com/micropython-basics-what-is-micropython>

**Raspberry PI information and link to tutorials**

<https://www.tomshardware.com/news/raspberry-pi>

**ESP32-CAM – Random Nerds Tutorials**

Video Streaming and Facial Recognition

<https://randomnerdtutorials.com/esp32-cam-video-streaming-face-recognition-arduino-ide/>

PIR Sensor and Photo Capture

https://randomnerdtutorials.com/esp32-cam-pir-motion-detector-photo-capture/

An easier way to interface with the ESP32-CAM

https://randomnerdtutorials.com/upload-code-esp32-cam-mb-usb/#more-101572

Microcontroller Websites

<https://dzone.com/articles/the-ultimate-iot-hardware-comparison-guide>

<https://dzone.com/articles/how-to-choose-the-right-iot-cloud-platform>

<https://en.wikipedia.org/wiki/List_of_Arduino_boards_and_compatible_systems>

<https://en.wikipedia.org/wiki/ESP32>

<https://en.wikipedia.org/wiki/ESP8266>