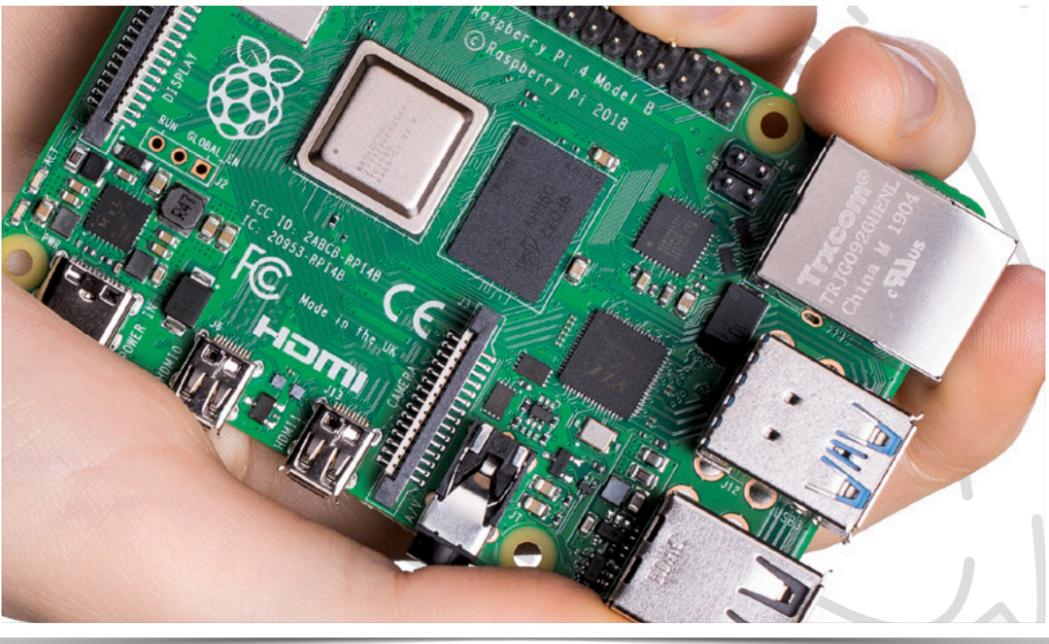
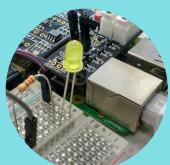


# IoT Fundamentals with Raspberry Pi

**Day 1**

Raspberry Pi Intro  
Raspberry Pi Setup  
System Config Intro

**Day 2**

GPIO basics  
Electronics basics  
Control LED from Pi!

Dr.Meng MIT AI2 将在2022年暑假期间开设【Raspberry Pi Fundamentals Using MIT App Inventor】课程。

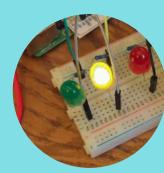
课程时间：7月18日至29日西部时间5-6:30PM（中部时间7-8:30PM，东部时间8-9:30PM）  
共十次（不包括周末），十五个课时。另外每天安排1.5小时答疑Discord讨论组7x24开放。

**Day 6**

MIT App for LED  
Bluetooth setup  
Control LED with app  
Add sound control

**Day 5**

GPIO python control  
LED python program  
Pi remote control

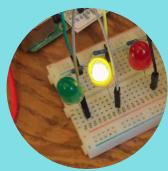
**Day 4**

Python basics  
Pi physical computing  
Flashing LED

**Day 3**

Pi File system  
Linux command lines  
Hack your terminals

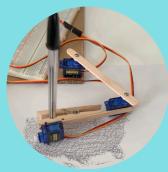
# IoT Fundamentals with Raspberry Pi

**Day 7**

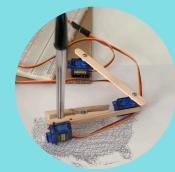
MIT App for multi LEDs  
Wi-Fi setup  
Control app with Wi-Fi

**Day 8**

Temp and Humidity app  
Add pwd protection  
Servo motor control  
Capstone project demo

**Day 9**

Capstone project –  
Plotter Machine

**Day 10**

Capstone project –  
Plotter Machine

指导老师:

X. Tang 唐老师是国际顶级汽车制造商的资深工程师，对于软件设计，自动化控制和机器人有深入的了解。唐老师也是2021年获得MIT Appathon比赛全球青年组冠军的Jason Tang和Kyle Lin的指导老师。