

IFTTT Webhook 配置指南

简介

这本指南介绍了 Webhook 分别作为 IFTTT trigger , action 与 Coco Module 结合的用法。指南里给出了两个案例，其中一个是 webhook 当作 trigger 的时候，用 Coco 环境模块将数据经过 webhook 将数据传送到 google sheets 。另外一个则是利用 google assistant 当作 trigger ，经过 IFTTT webhook发送 POST 请求到 coco cloud 平台，进而对设备进行开关。

关于 IFTTT

IFTTT is the free way to get all your apps and devices talking to each other. Not everything on the internet plays nice, so we're on a mission to build a more connected world.

关于 webhook

Integrate other services on IFTTT with your DIY projects. You can create Applets that work with any device or app that can make or receive a web request.

其中 webhook 既可作为 **trigger** ，也可作为 **action**.

链接

<https://ifttt.com/>

配置主要分为以下两个部分

- IFTTT
- cocoBlockly

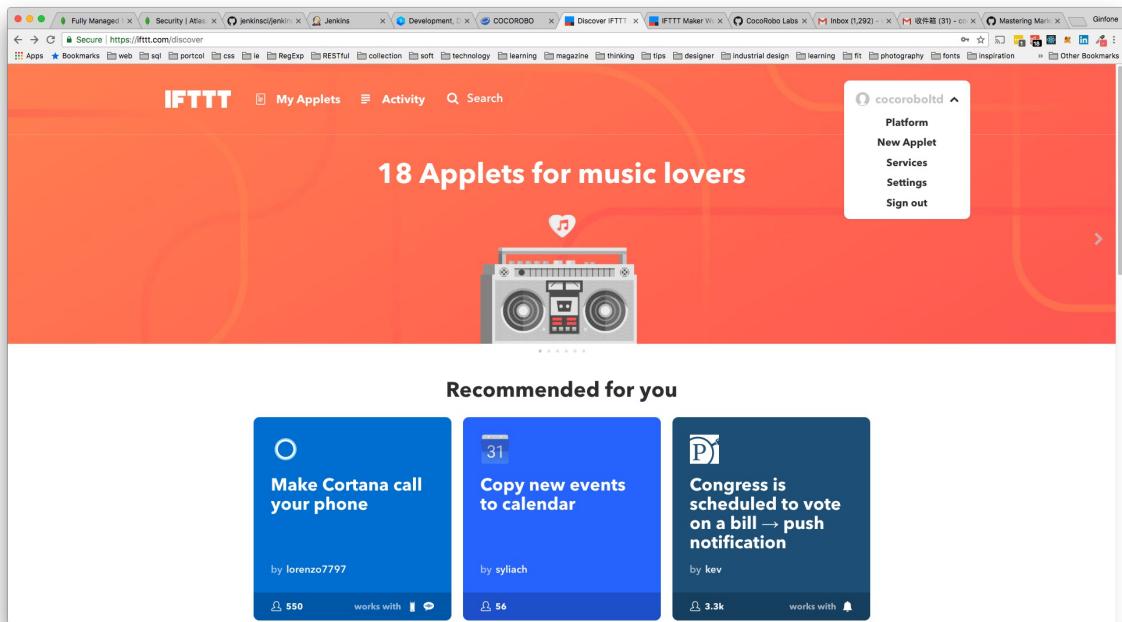
Webhook as trigger

IFTTT

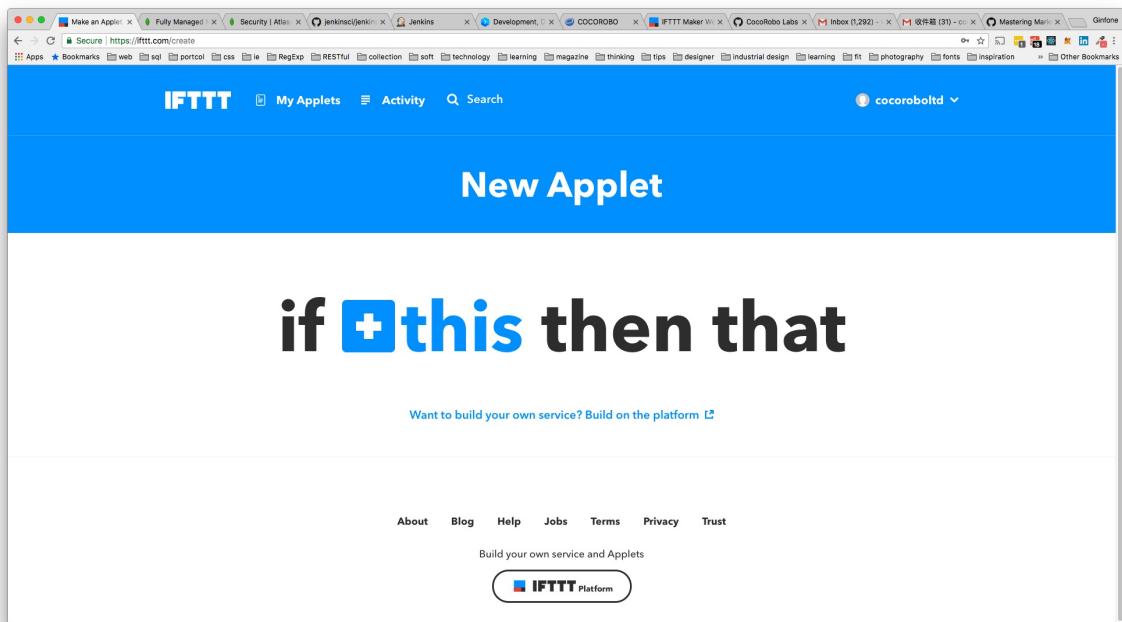
- 步骤一
 - 在官网注册一个账号

- 步骤二

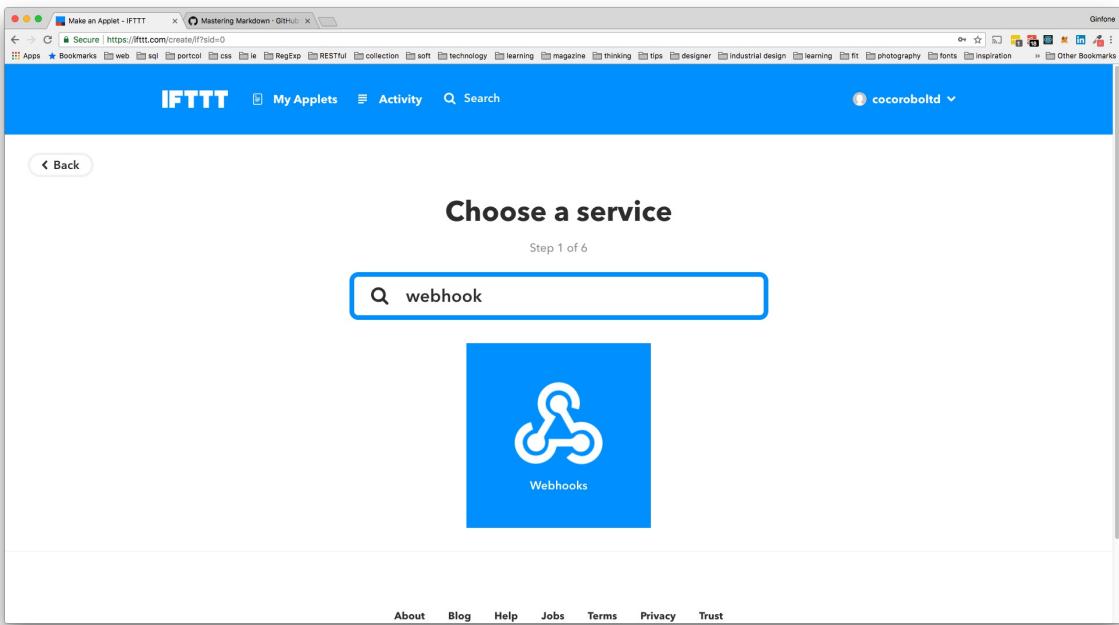
- 点击 New Applet



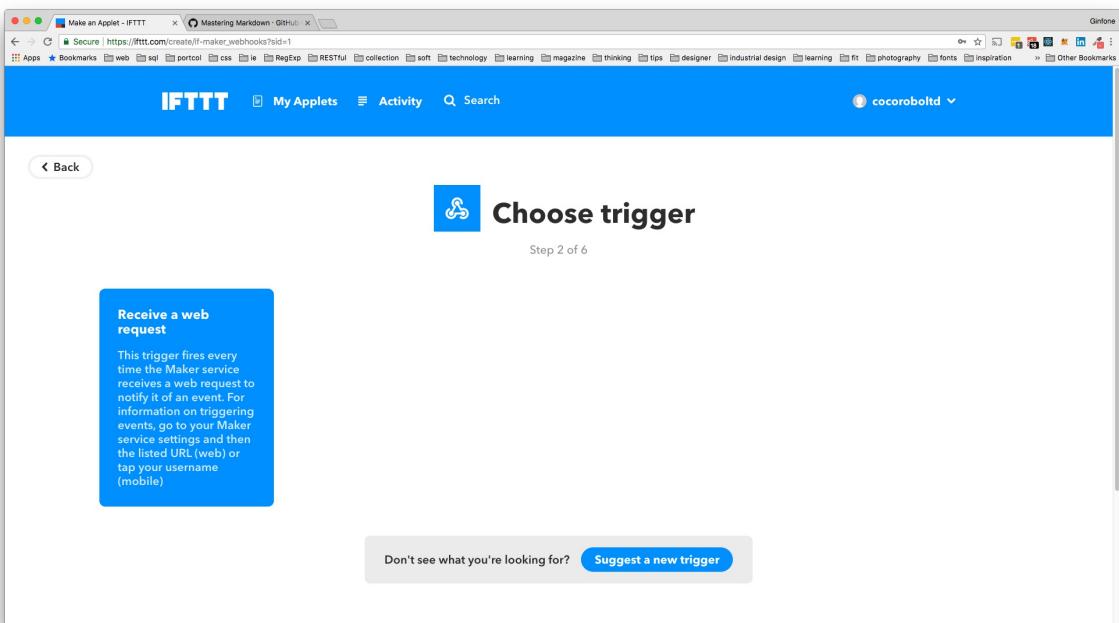
- 点击 this



- 在search service中 输入 webhook 并点击 webhook



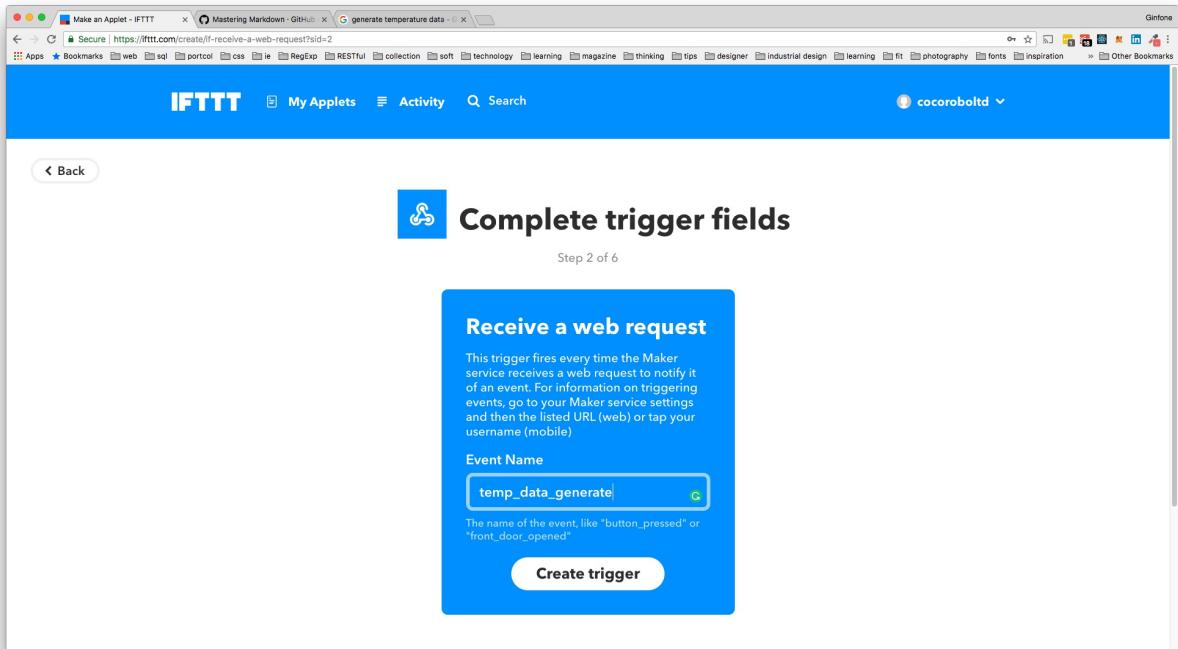
- 选择 trigger **Receive a web request**



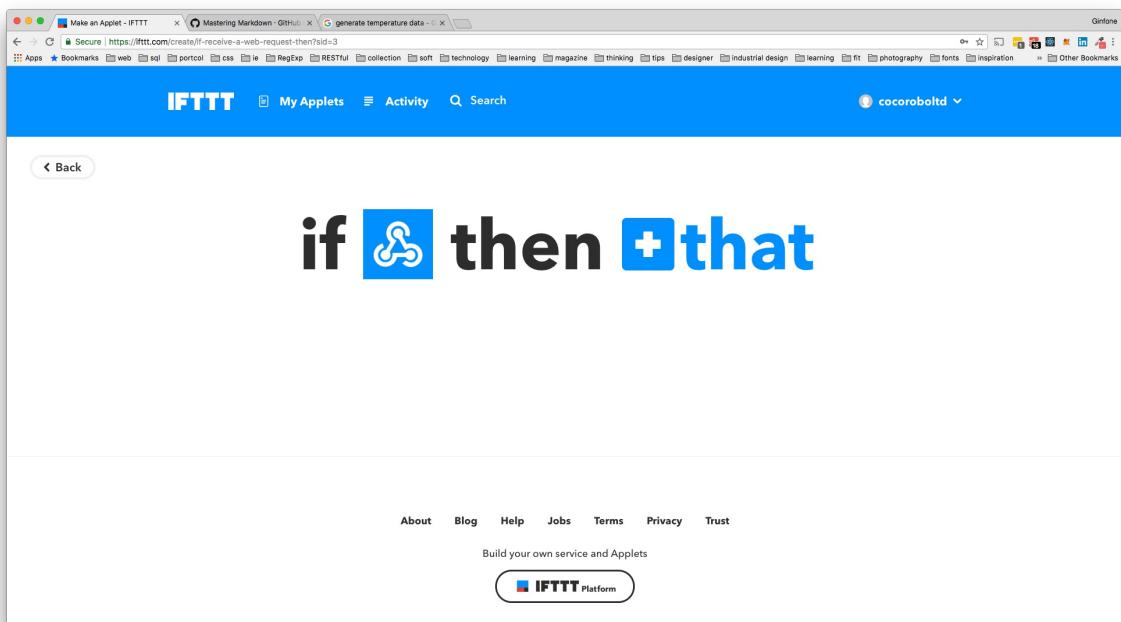
- 设置对应的 Event 并点击 **Create trigger**

一个event 名称对应一个 trigger ，如果有多个trigger，请命名多个event

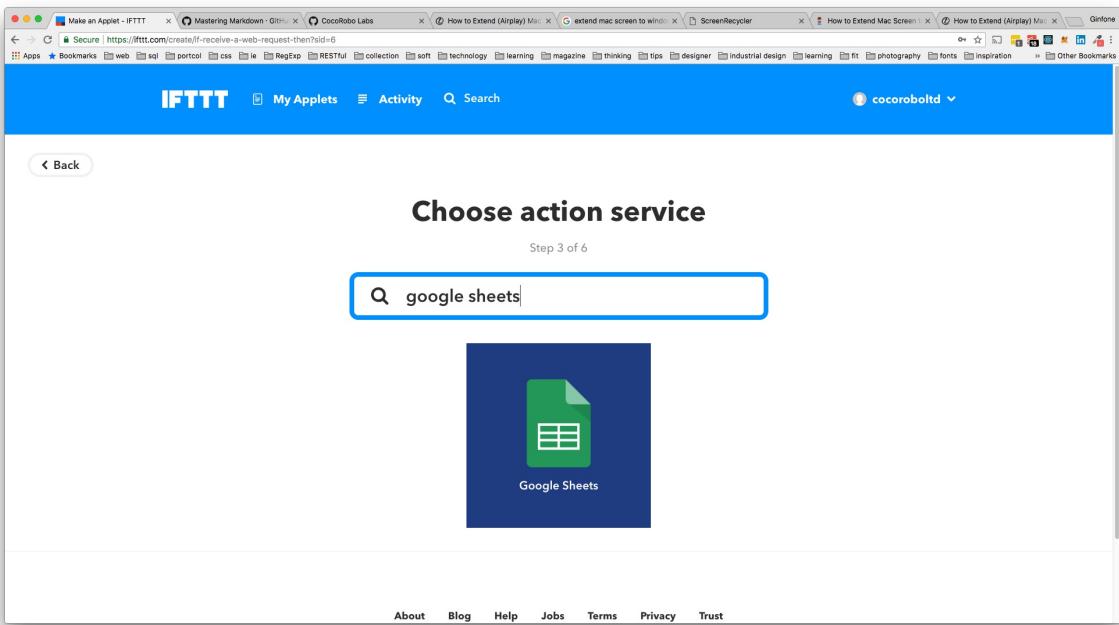
范例中我们生成一个 temp_data_generate的event，由此来追踪温度产生的新数据



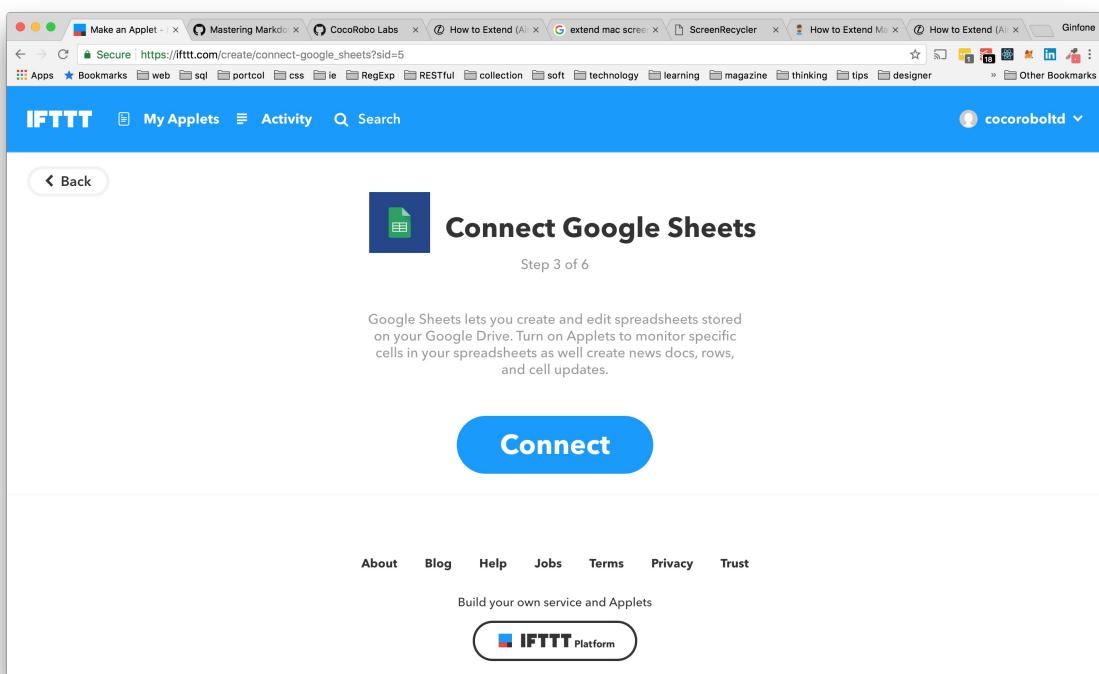
- 点击 that



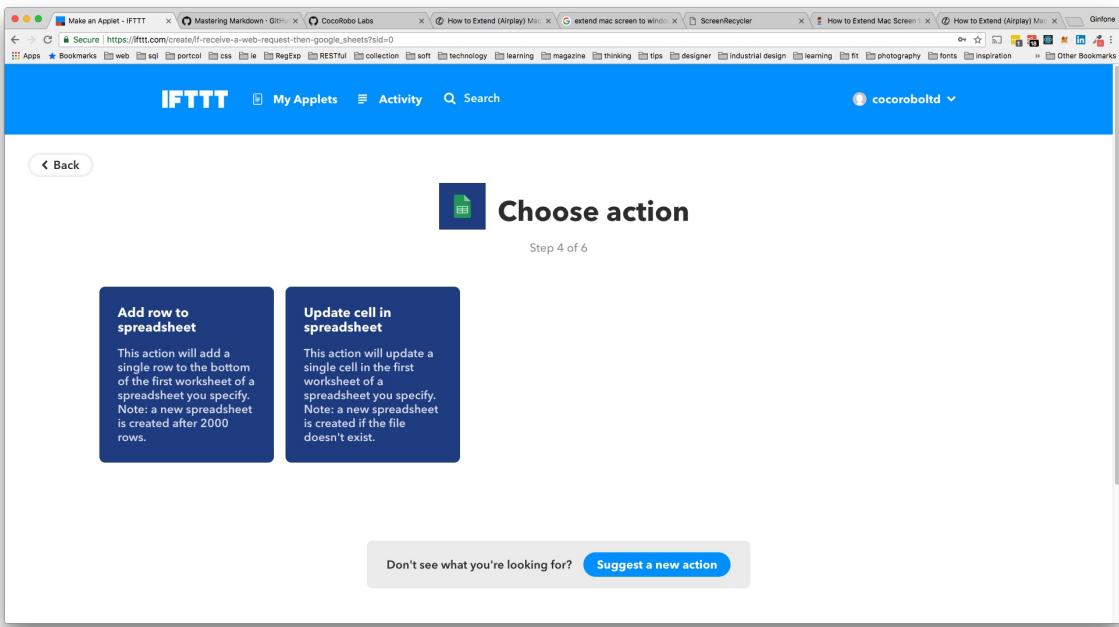
- 在 Service search 中填入 google sheets 并点击 Google Sheets



- 点击 **Connect** 并登入你的google 账号

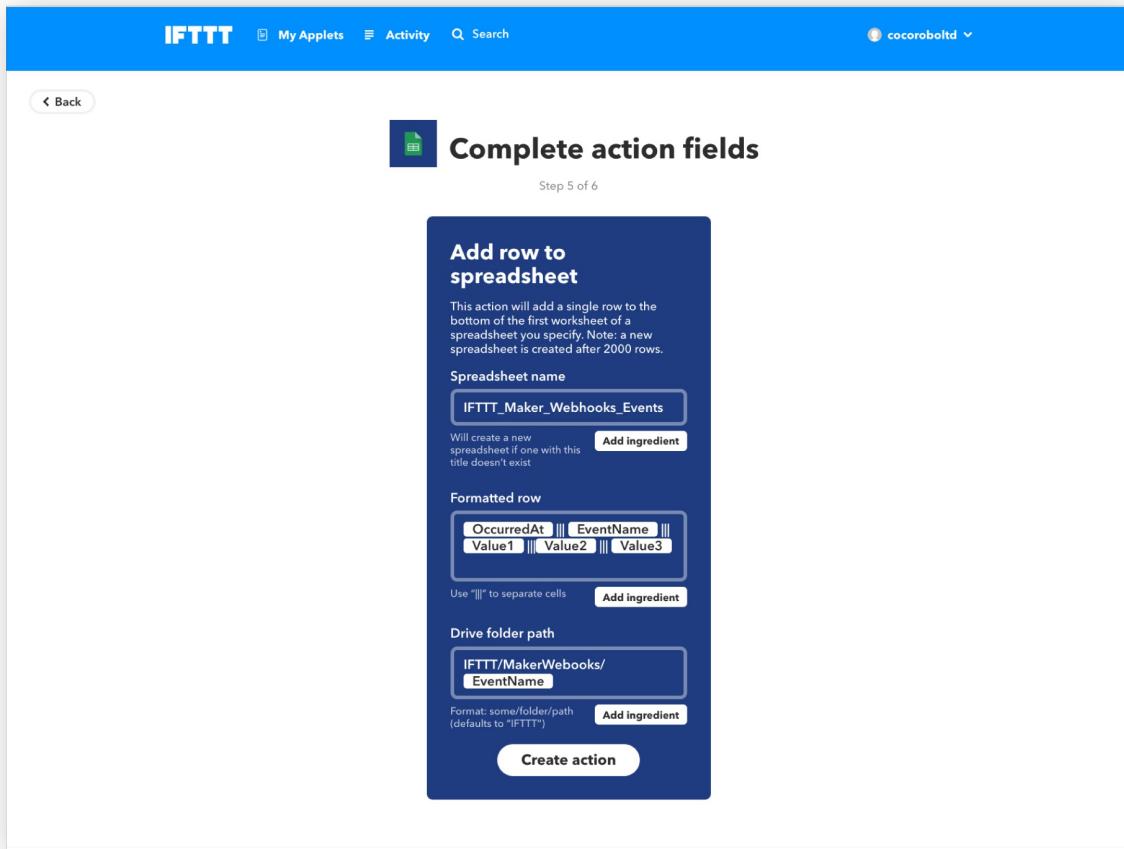


- 在 Choose action 中选择 **Add row to spreadsheets**

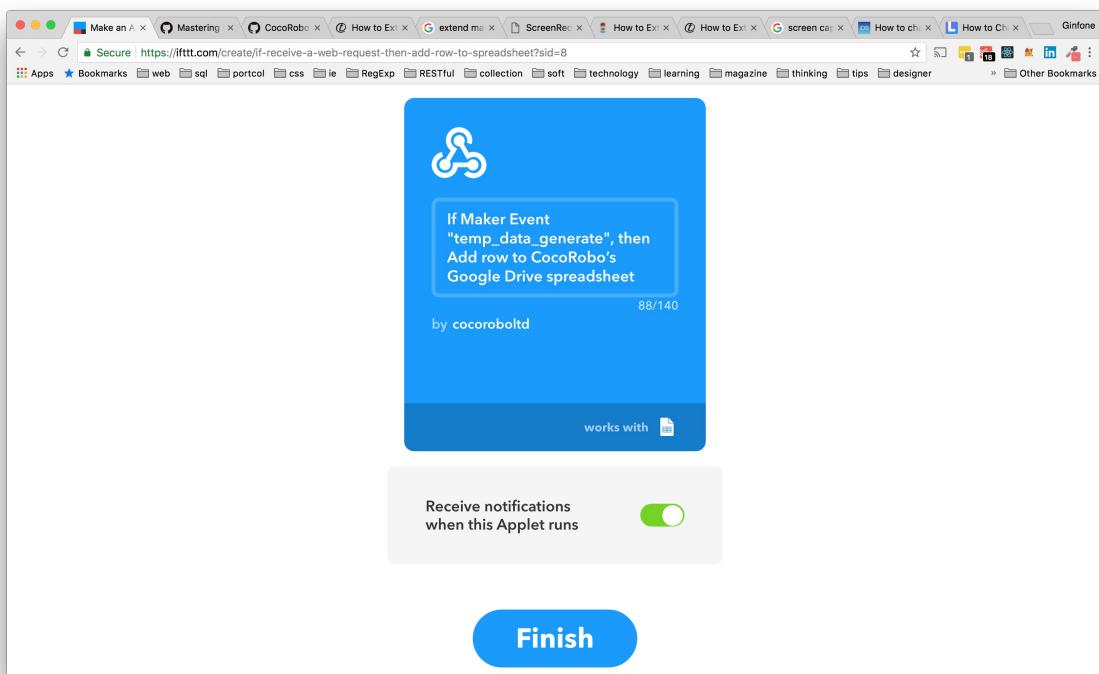


- 在 Complete action fields中填入以下几项

- SpreadSheet name
档案的名称
 - Formatted row (用 ||| 来分隔， value1，2，3 对应要添加的数据)
每一行要添加的资料
 - Driver folder path
文件的路径（不能为空，否则会失败）

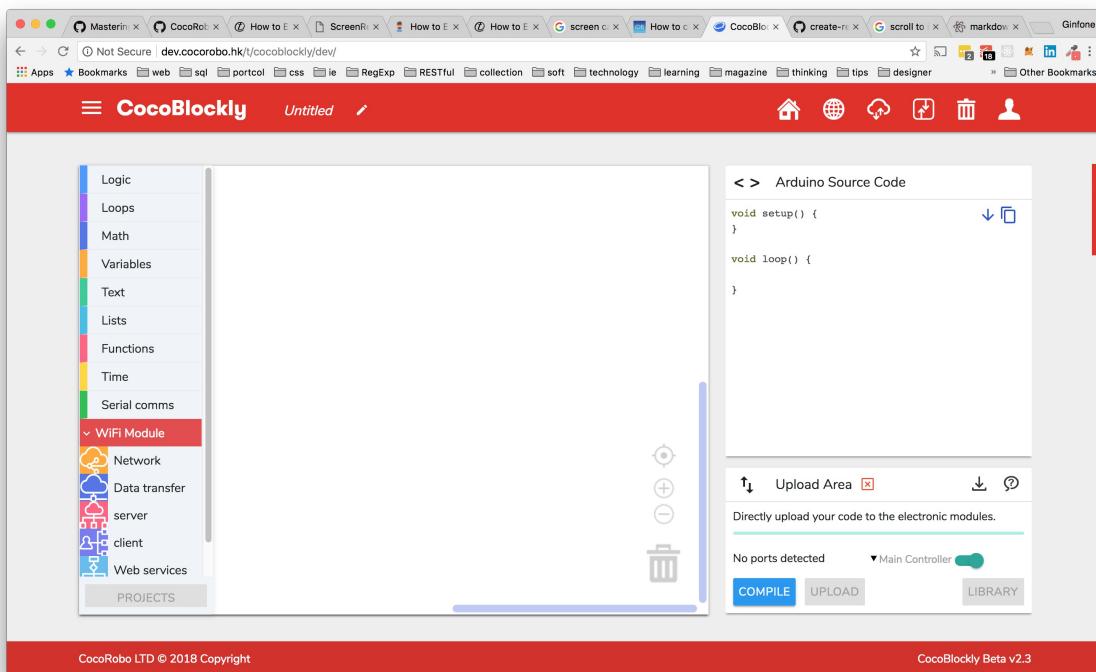


- 点击 Create action
- 在 Review and finish 中点击 Finish

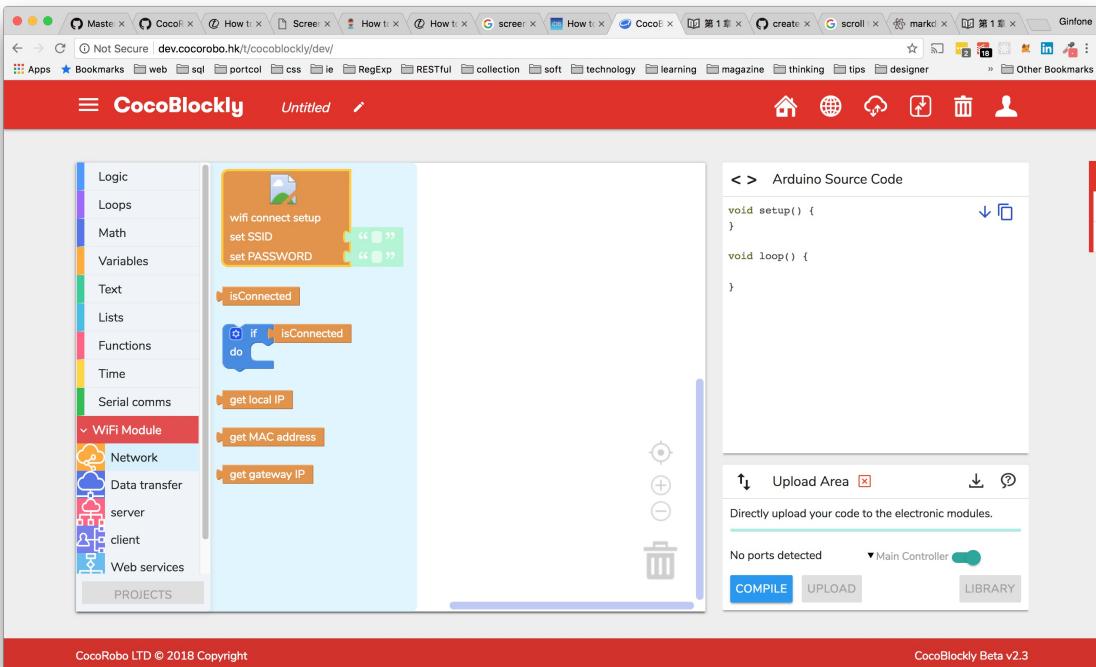


CocoBlockly

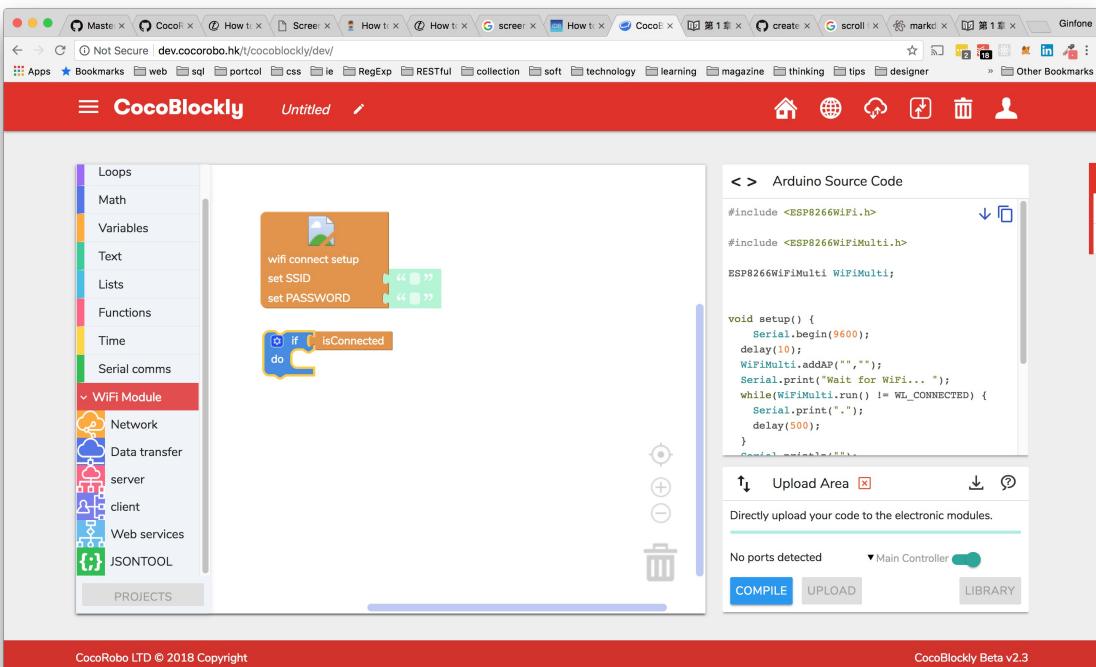
- 步骤一
 - 打开 Blockly
- 步骤二
 - 点击在Upload Area 处的切换按钮（接下来会看到界面变成红色）



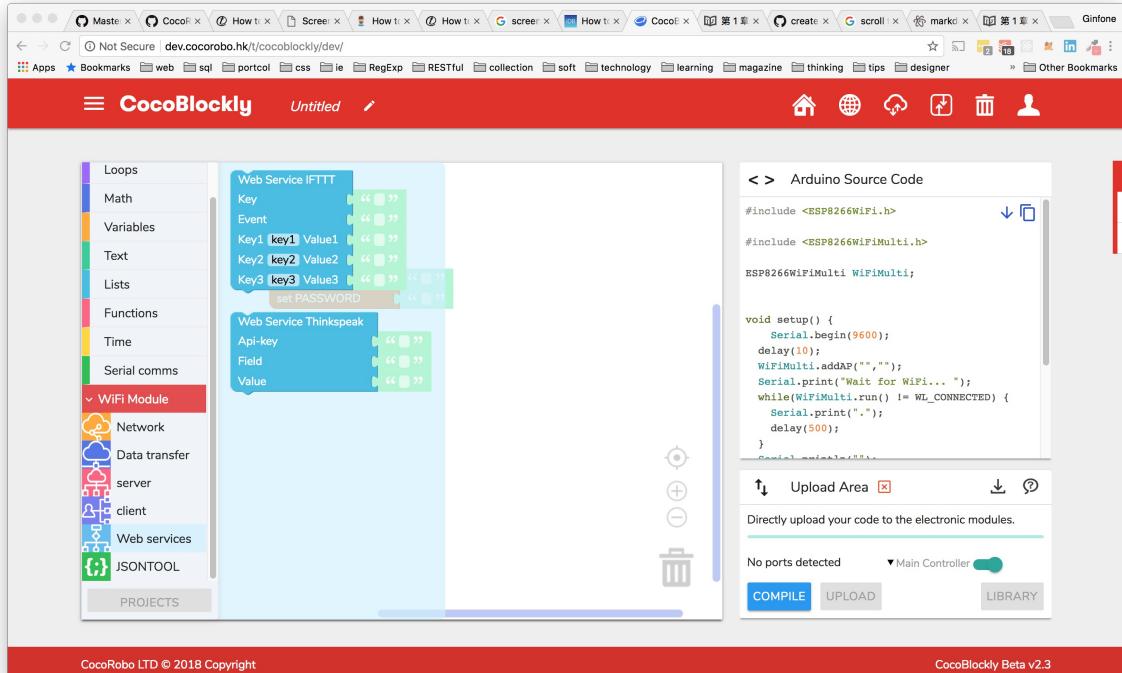
- 步骤三
 - 在积木功能栏中选择 WiFi Module -> Network -> Wifi connect setup



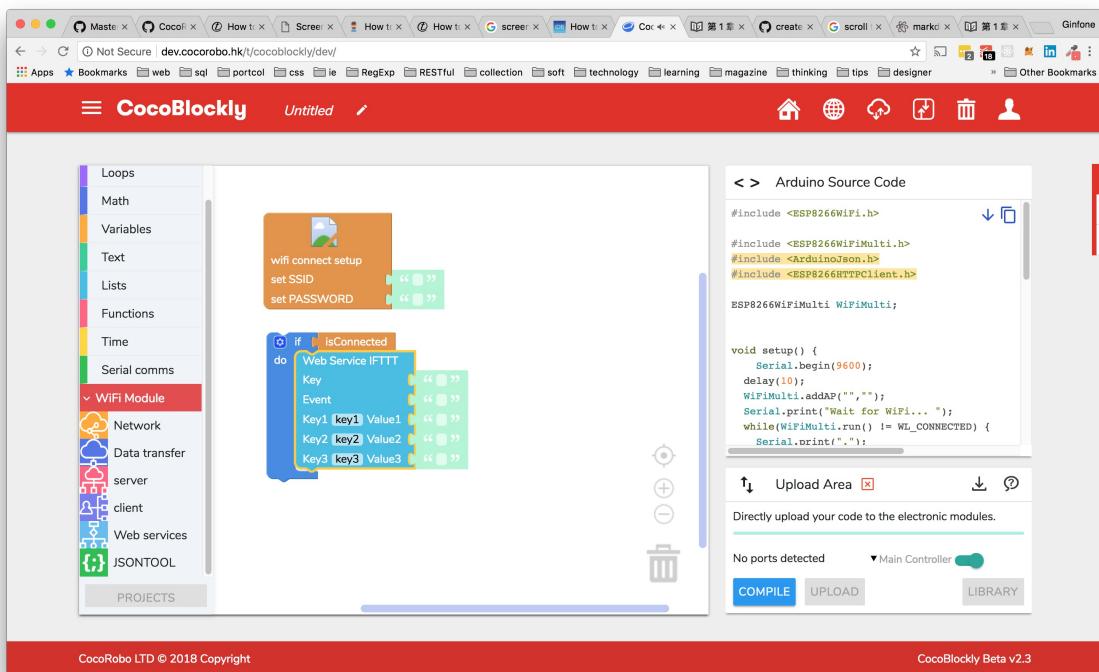
- 在积木功能栏中选择 WiFi Module -> Network -> if isConnected do



- 在积木功能栏中选择 WiFi Module -> Web Service -> Web Service IFTTT



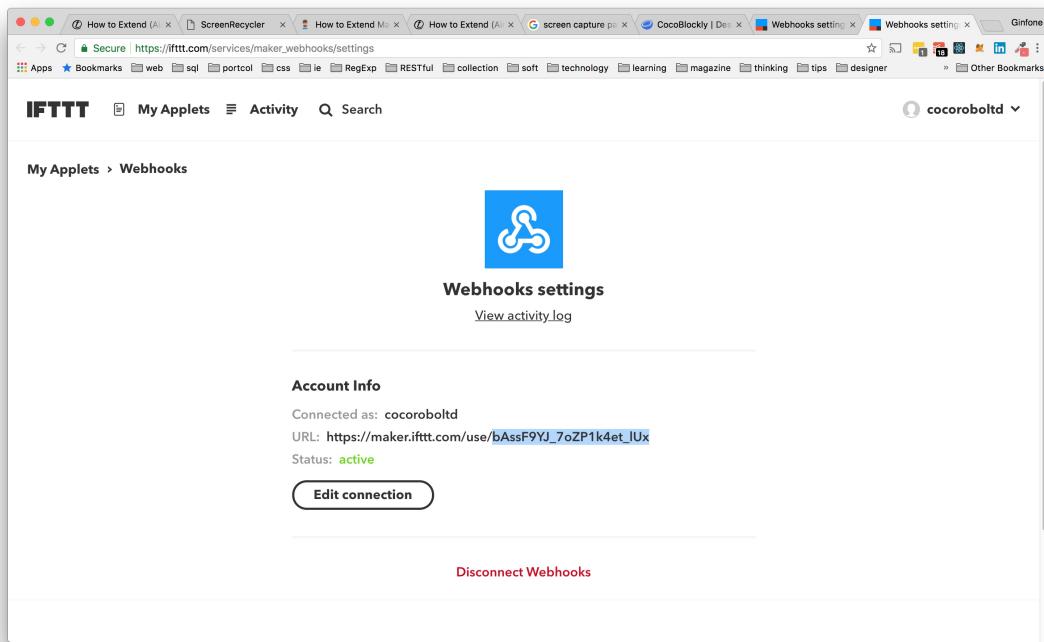
- 将if isConnected do 与 Web Service IFTTT 拼接在一起



- 在 wifi connect setup 中填入
 - ssid (wifi的名称)
 - password (wifi的密码)
- 在 web Service IFTTT 中填入以下
key 2, 3 以及 value 2, 3 为 optional

- Key

- 在 URL 在 <https://maker.ifttt.com/use/> 之后的文字



- event

- 先前在IFTTT中创建的事件 *temp_data_generate*

- value1 [*value2, value3*]

填入欲传输的数据 与 IFTTT Action中设置的 **ingredient** 相呼应

- 假设欲传入的数据为主控板上传来的数据

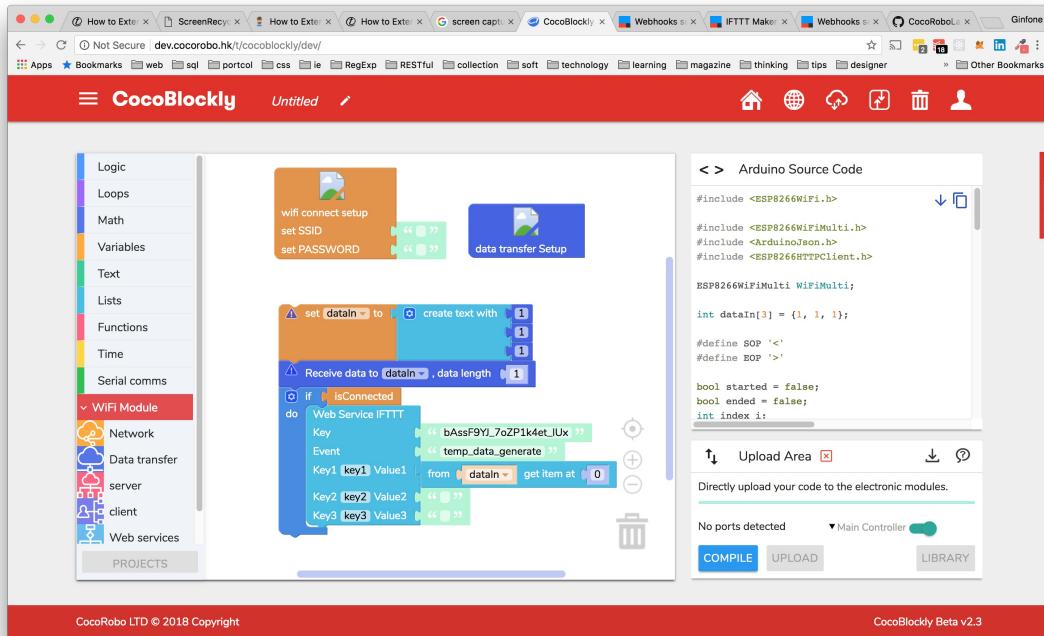
则在**积木功能栏**中选择

以下四个块

- WiFi Module -> Data transfer -> Data transfer setup
- WiFi Module -> Data transfer -> Receive data to [dataIn], data length [1]
- Lists -> set [item] to create text with [1,1,1]
- Lists -> from [item] get item at [0]

- 将 set [item] to create text with [1,1,1] 与 from [item] get item at [0] 拼接 在一起，然后
再同if is connected 拼接 在一起

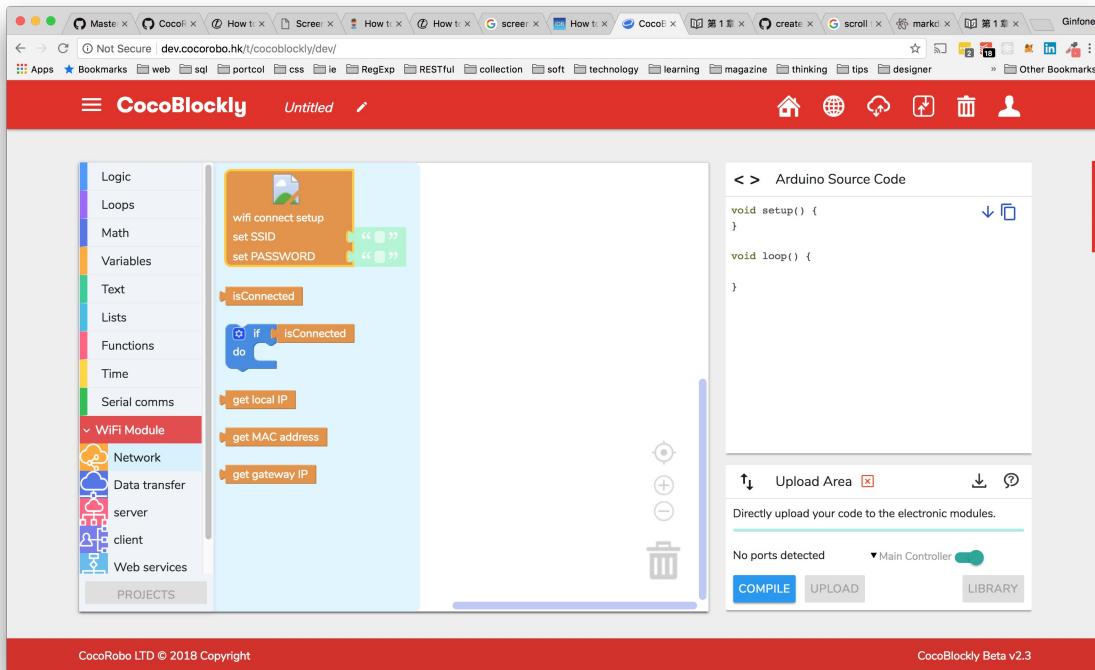
- 将 [item] 变量修改为 **[dataIn]**



上述步骤将Main controller 生成的数据通过数组的方式传送到WiFi板中

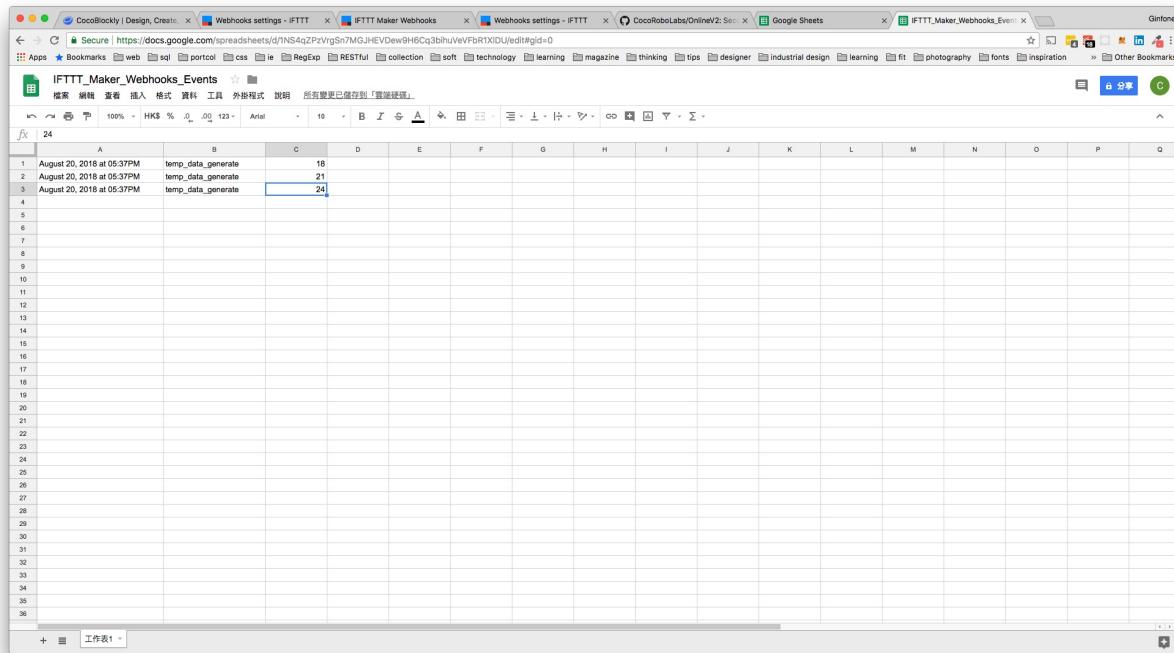
- 步骤四

- 设置时间
- 在积木功能栏中选择 Time -> wait [1000] milliseconds 并将其拼接在 if connected do 块的底下.



结果查看

此时打开Google sheets便可看到新生成的数据



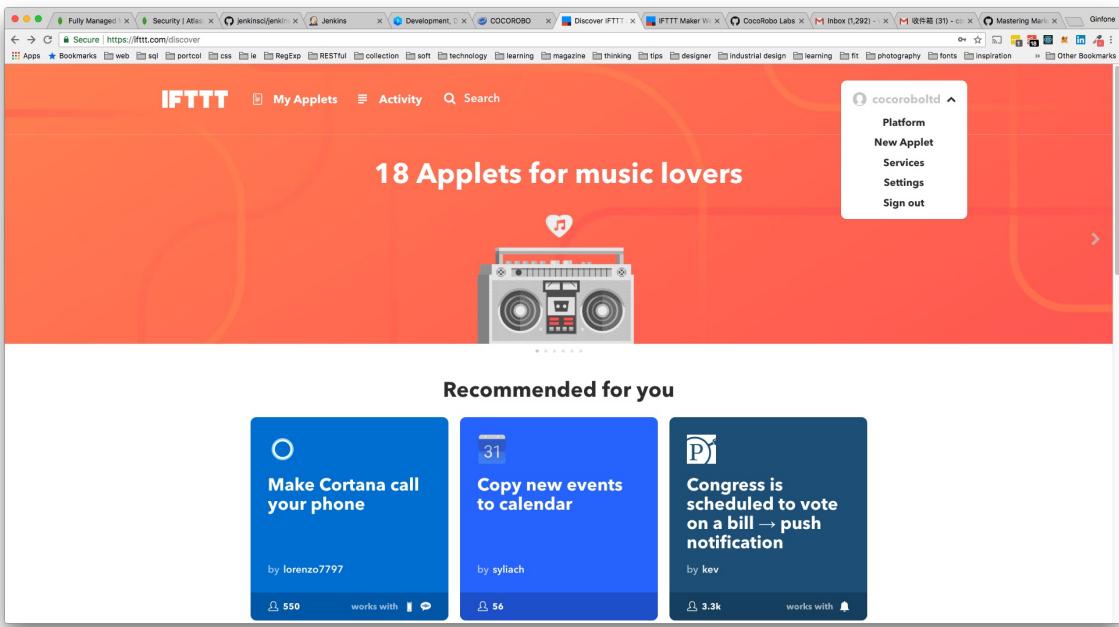
The screenshot shows a Google Sheets document titled 'IFTTT_Maker_Webhooks_Events'. The data is organized into columns A and B. Column A contains dates and times, and column B contains event names. The data is as follows:

			C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	August 20, 2018 at 05:37PM	temp_data_generate		18													
2	August 20, 2018 at 05:37PM	temp_data_generate			21												
3	August 20, 2018 at 05:37PM	temp_data_generate				24											
4																	
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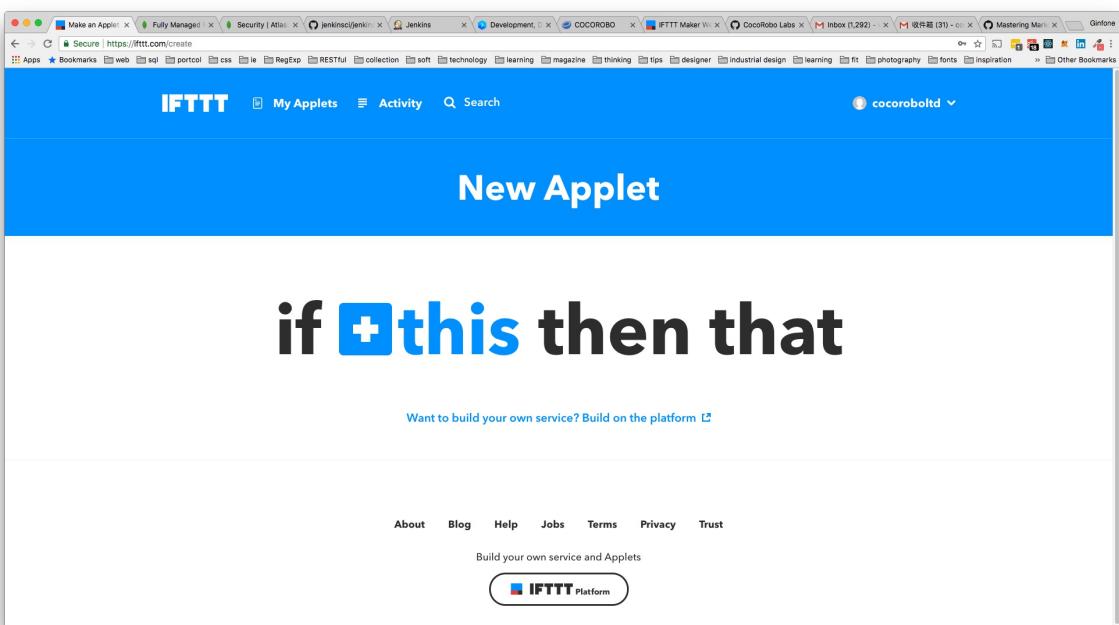
Webhook as Action

IFTTT

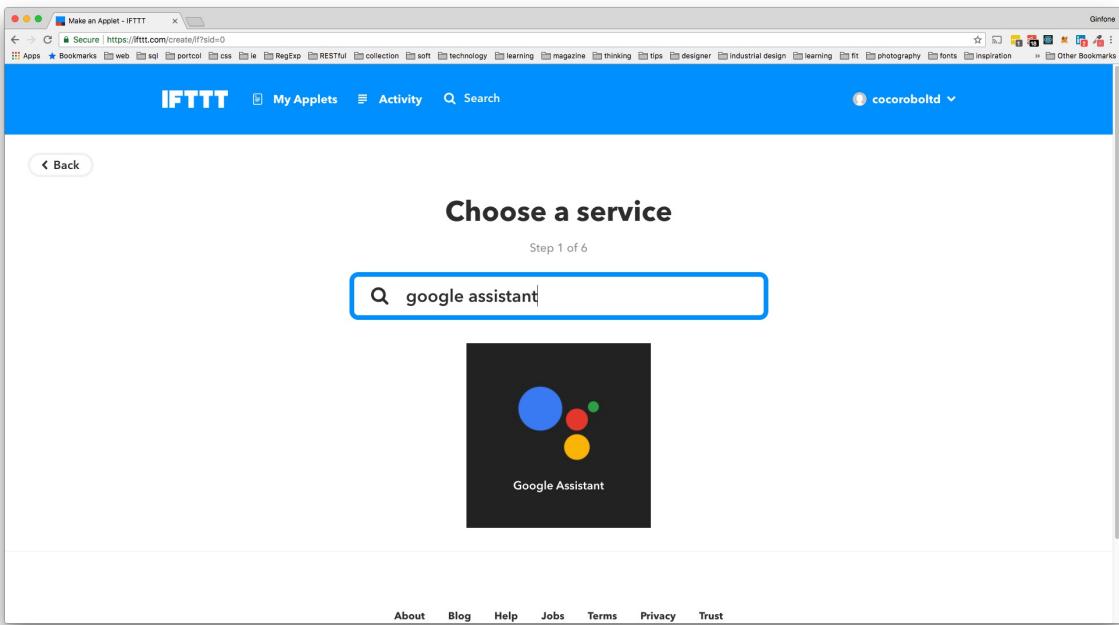
- 步骤一
 - 在官网注册一个账号（如有可跳过）
- 步骤二
 - 点击 New Applet



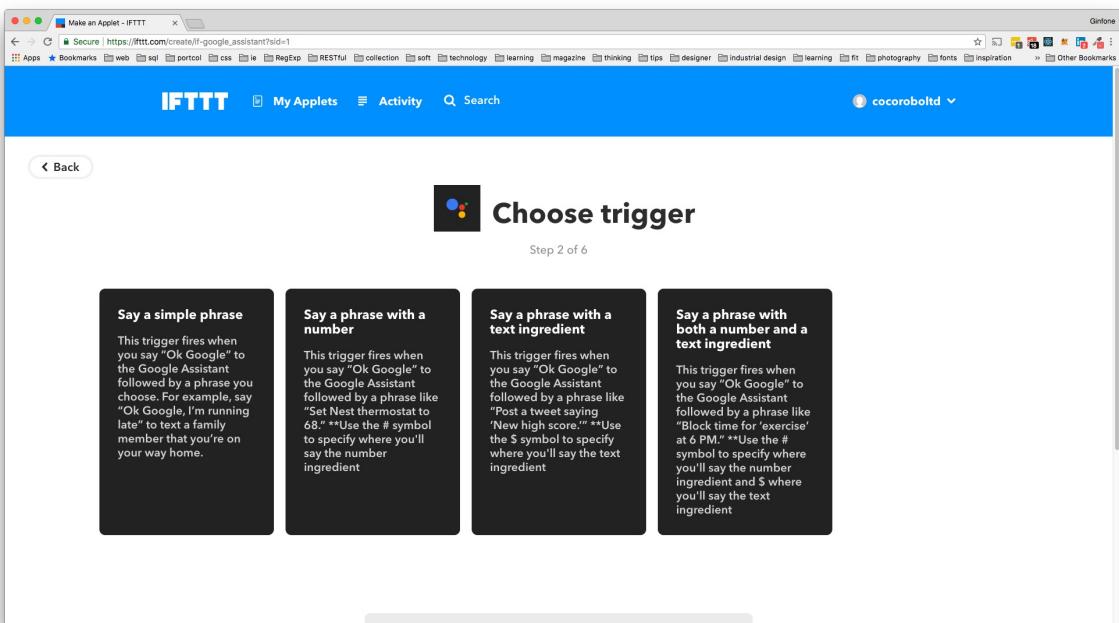
- 点击 this



- 在search service中 输入 google assistant 并点击 Google Assistant



- 选择 Say a simple phrase



- 在Complete trigger fields中填入以下几项

- what do you want to say? (*turn on device*)
- what do you want the assistant to say in response? (*device on*)

[Back](#)

Complete trigger fields

Step 2 of 6

Say a simple phrase

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase you choose. For example, say "Ok Google, I'm running late" to text a family member that you're on your way home.

What do you want to say?

What's another way to say it?
(optional)

And another way? (optional)

What do you want the Assistant to say
in response?

Language

English

Create trigger

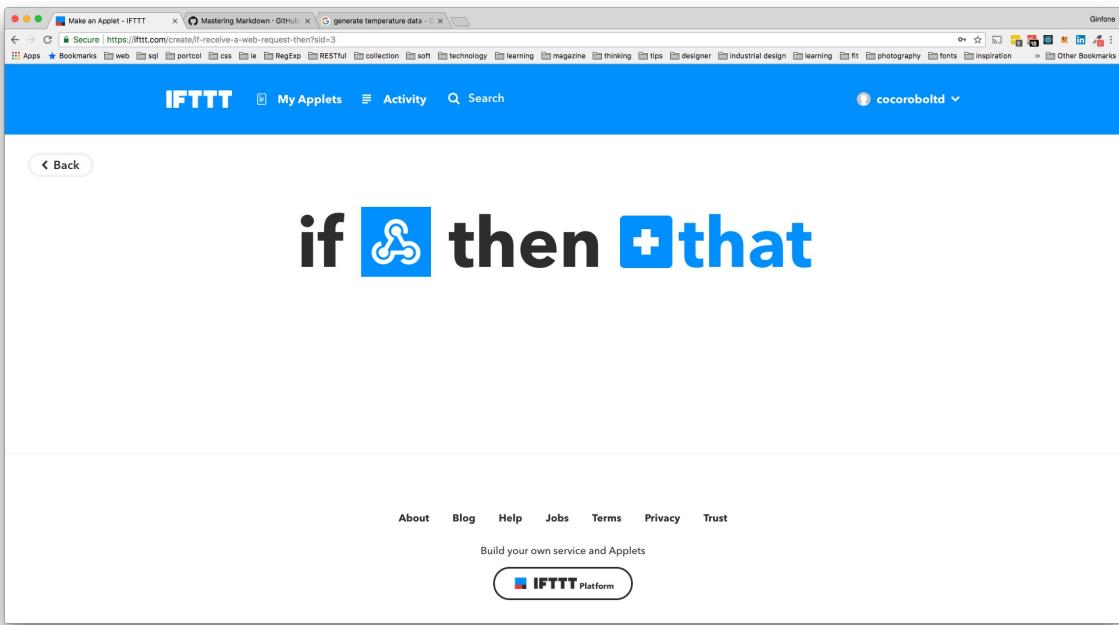
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Build your own service and Applets

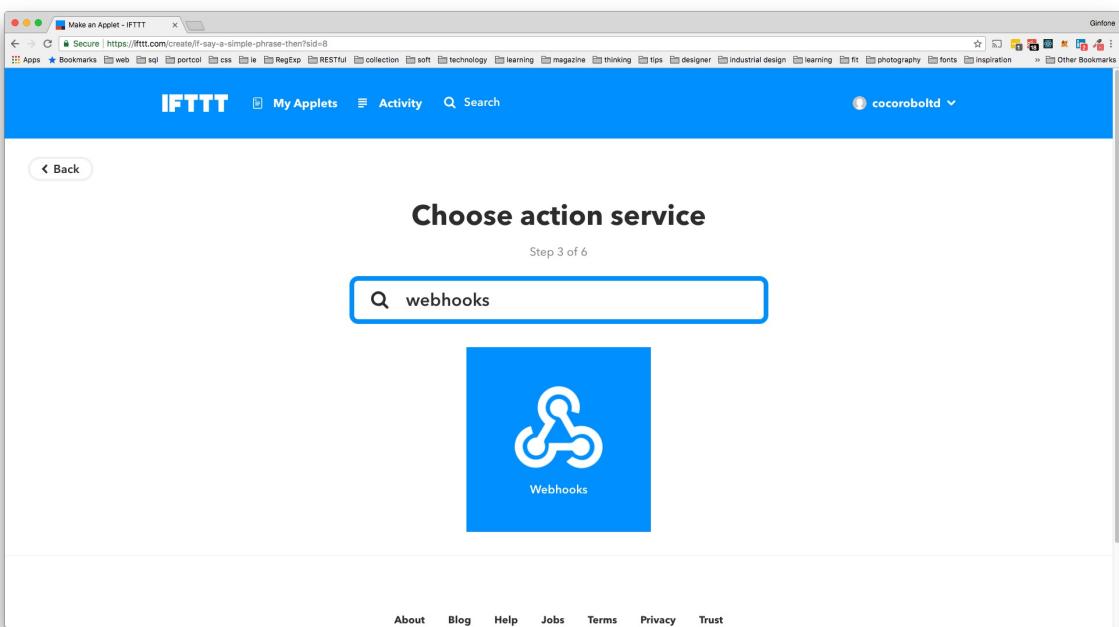
IFTTT Platform

- 点击 **Create trigger**

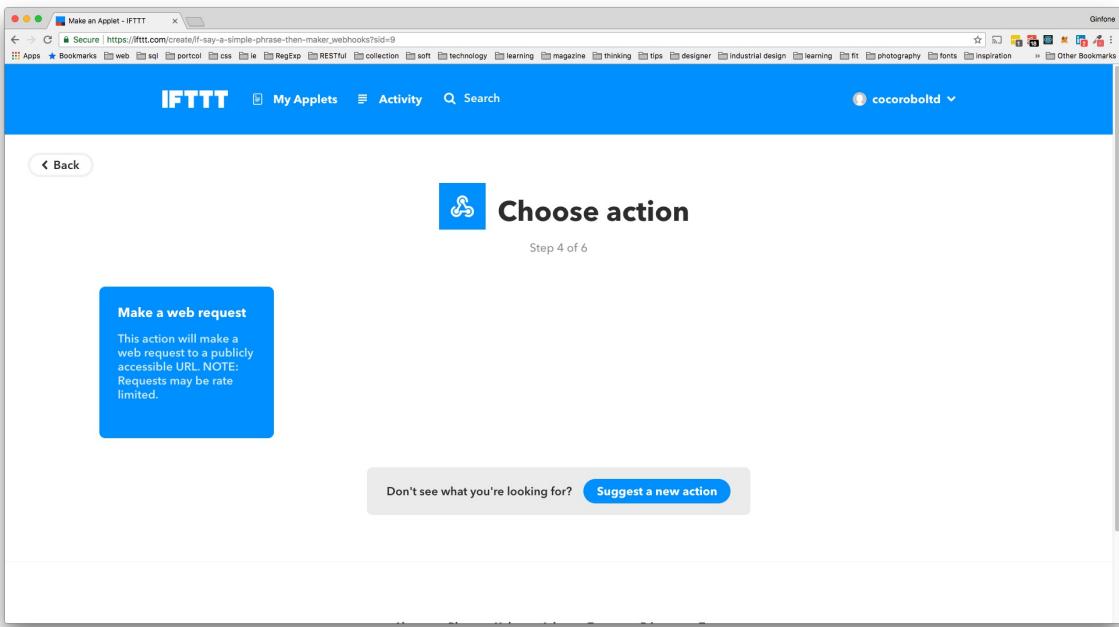
- 点击 **that**



- 在 search service 中输入 **webhooks** 并选择 **webhooks**

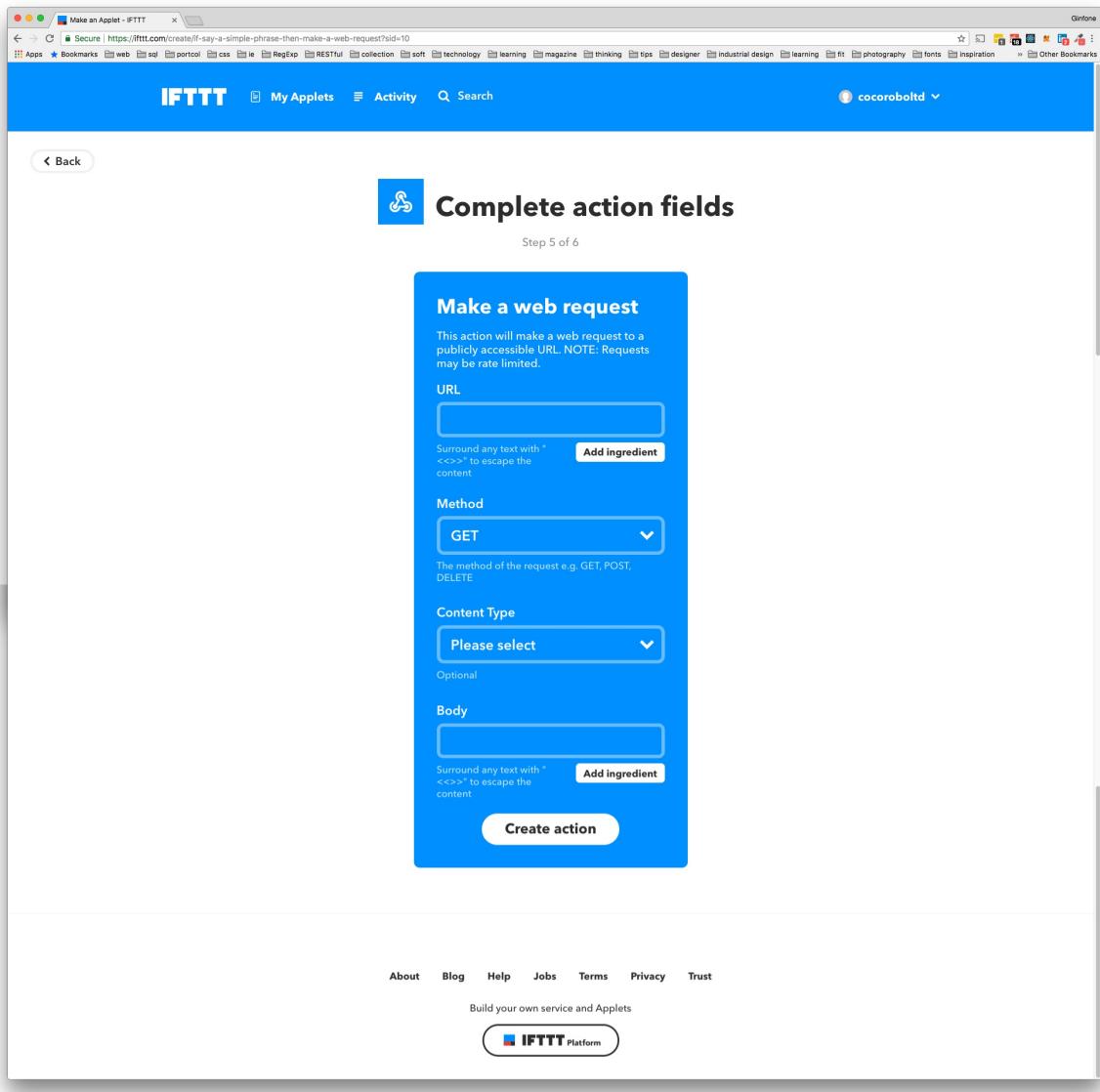


- 在 choose action 中选择 **Make a web request**



- 在 Complete action fields 中填入以下几项

- URL(<http://api.cocorobo.hk/iot/data/apikey/bde67044c9c426029c81b96f1f2476de80f9fa5eacc21218a0459574418a1da1/event/test>)
- Method(**POST**)
- Content Type (application/json)
- Body({ "device": "on" })



- 点击 create action
- 点击 Finish

Blockly

- 步骤一
 - 打开 Blockly
- 步骤二
 - 注册一个账号
- 步骤三

结果

此时使用手机端的Google Assistant，说‘turn on device’，则可以看到 coco 环境板上的灯变成了紫色。