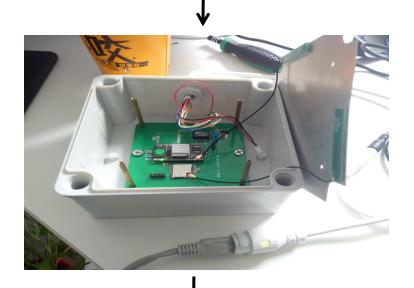
## 健康舒适的智能家居系统解决方案

本项目能实现根据用户实时的自身健康数据动态调整智能家居,以用户进入睡眠后的应用情景为例:

当用户进入睡眠之后,根据健康传感器采集的用户心率和体表温度数据进行分析, 判断用户熟睡状态,通过算法分析得知用户可能感觉到冷时,及时调整智能家居(如空 调、风扇)的温度或风速,并在手机端跳出提醒,体现以人为本,以用户的需求为主, 最大程度的帮助用户优化生活方式,提高生活质量。



图 传感器

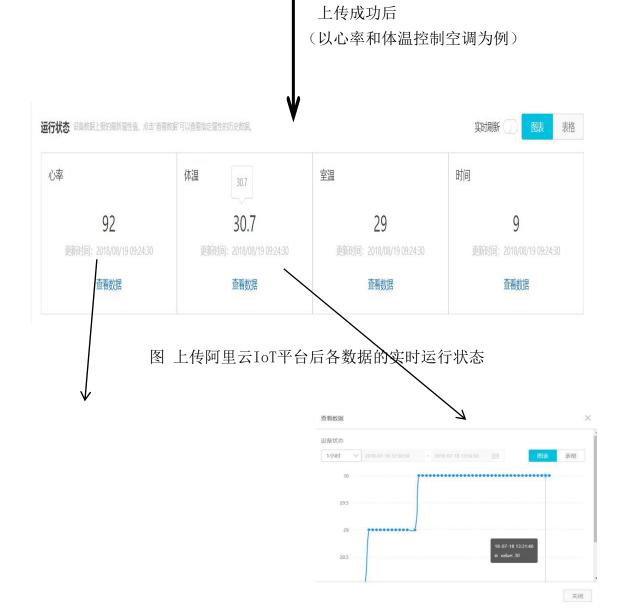


通过基站发送数据

```
Markers □ Properties ♣ Servers ● Data Source Explowerst BandSniffer [Java Application] D:\Java\jdk8u172\bidevicename : ff,ff,ff,ff,ff,ff,ff,ff
68
心率:74.0
体温:30.0
devicename : ff,ff,ff,ff,ff,ff,ff
68
心率:74.0
体温:30.0
体温:30.0
```

PC端进行初步数据处理

```
post props: { heartRate: 75, surfaceTemperature: 30 }
post successfully!
post props: { heartRate: 75, surfaceTemperature: 30 }
post successfully!
post props: { heartRate: 75, surfaceTemperature: 30 }
post successfully!
post props: { heartRate: 75, surfaceTemperature: 30 }
post successfully!
post props: { heartRate: 75, surfaceTemperature: 30 }
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post props: { heartRate: 75, surfaceTemperature: 30 }
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post props: { heartRate: 74, surfaceTemperature: 30 }
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post successfully!
post props: { heartRate: 74, surfaceTemperature: 30 }
post successfully!
post props: { heartRate: 74, surfaceTemperature: 30 }
post successfully!
```



心率折现图

体温折线图



时间	MessageID	deviceName	内容(全部)	状态以及原因分析
2018/07/18 13:57:20	1019461093774360576	t33J1X9ZfXfAEN0K4anl	Transmit data to FC,serv	成功
2018/07/18 13:57:20	1019461093665292288	t33J1X9ZfXfAEN0K4anl	Publish message to topi	成功
2018/07/18 13:57:20	1019461093774360576	t33J1X9ZfXfAEN0K4anl	Send message to RuleE	成功
2018/07/18 13:57:10	1019461051873284096	t33J1X9ZfXfAEN0K4anl	Transmit data to FC,serv	越 数据转发到函数计算
2018/07/18 13:57:10	1019461051873284096	t33J1X9ZfXfAEN0K4anl	Send message to RuleE	成功 TOPIC转发到规则引擎
2018/07/18 13:57:10	1019461051730653185	t33J1X9ZfXfAEN0K4anl	Publish message to topi	機助 数据发送到TOPIC
2018/07/18 13:57:00	1019461009900838912	t33J1X9ZfXfAEN0K4anl	Send message to RuleE	成功
2018/07/18 13:57:00	1019461009779200000	t33J1X9ZfXfAEN0K4anl	Publish message to topi	成功
2018/07/18 13:57:00	1019461009900838912	t33J1X9ZfXfAEN0K4anl	Transmit data to FC,serv	成功
2018/07/18 13:56:50	1019460967928479744	t33J1X9ZfXfAEN0K4anl	Send message to RuleE	成功

## 图 上行消息



下发指令



