2.05 Heat Island Map

Our project is a device that records the ambient temperature. It measures temperature, humidity, location and time, displays the data to a display and records the data locally and on a cloud server. It also sends the data from the cloud to a web application to view the recorded data on a map. This is important because NASA has stated that heat islands are causing urban areas to heat up more than surrounding rural areas and we want to measure the effects of this.
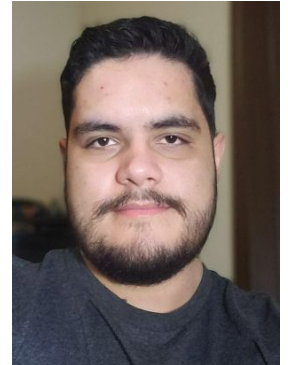

| Jose | Andrew (top), Sosa (bottom) | Cameron | Gabriel |

Function	Deliverables	DRI
Display Recorded Data	Implement a touchscreen display on the device	Jose
Data Collection	Implement sensors for data collecting	Andew
4-hour battery life	Power budget and management	Andrew
	Measure operating current to validate assumptions	Andew
Store Data Collected	Implement cloud storage	Gabriel
	Manage local storage	Gabriel
Mapping Overlay	Implement web application	Cameron