

Project 3 : Connecting Code & the Real

This project is due Dec. 6th

Description:

For this project, we will use Python with Flask to set up a Raspberry Pi 4 IOT server. This server will connect sensor data and api data to a local port and be visualized on a webpage with javascript. Through novel interaction design, students will explore unexpected and speculative relationships that networked computation can produce. These speculative relationships will be contextualized against our discussion of the contemporary roles that data and computation play in society. The project code will be submitted as a GitHub repository which will include a readme file, photo documentation, and screenshots of the final project. This documentation will be used for a 5-minute presentation and a live demo during the critique.

Grading:

%10 Network takes input and output (either user input from web interface sensor)

%10 Final is available on the local network

%10 Clear articulation of the relationship being explored on the homepage

%10 Data is accurately presented

%30 Formal exploration of interface meaningfully reflects aspects of the networked objects

%30 Artistry

