

Project Firesight

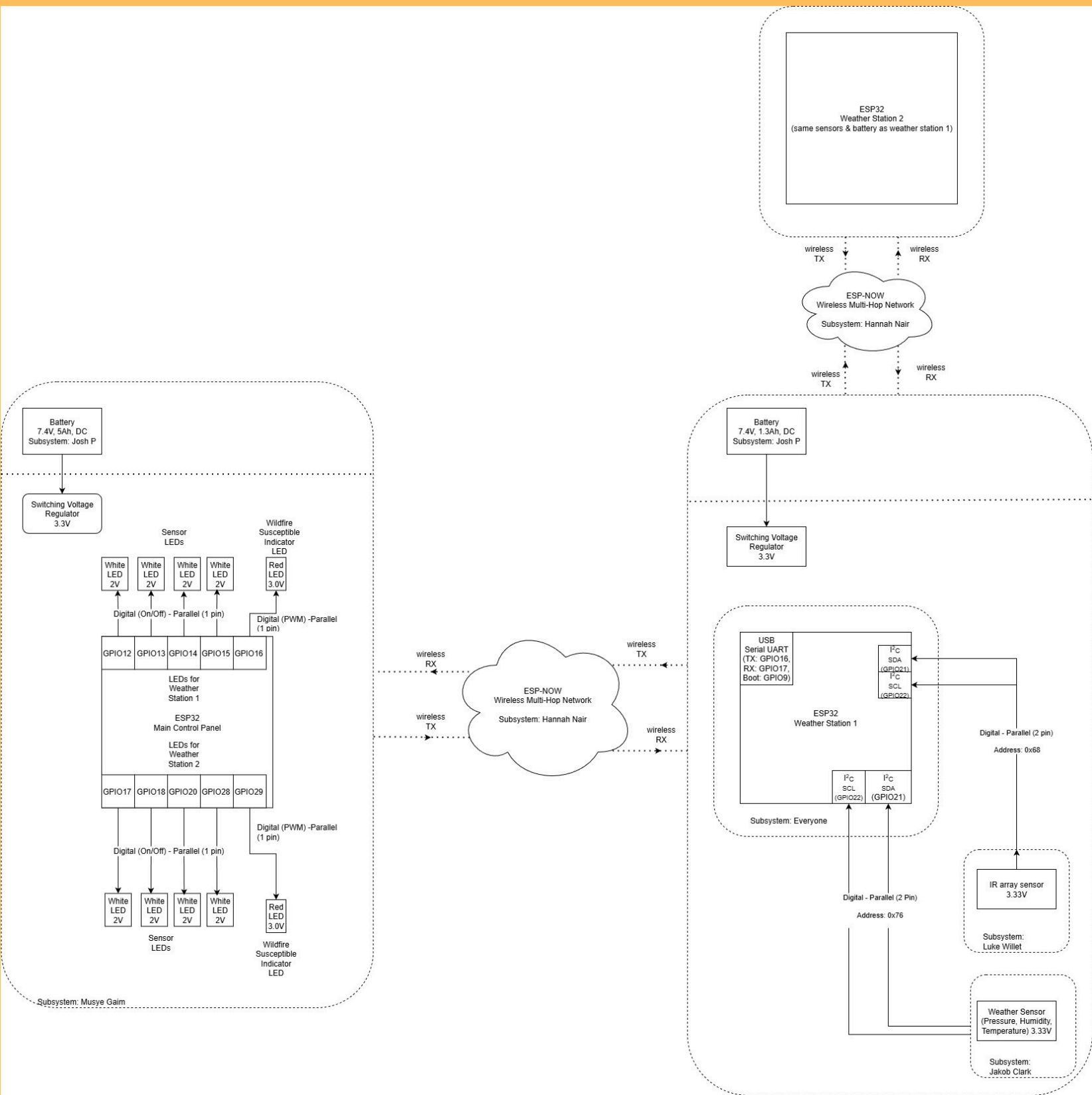
Mission Statement

The mission of Project Firesight is to design, build, debug, and test a wireless weather station network for the State of Arizona's Department of Forestry and Wildfire Management, with the purpose of predicting susceptible wildfire areas to proactively improve wildfire detection & suppression, thereby decreasing wildfire suppression time.

User Needs

- Wirelessly transmit environmental data
- Identify wildfire susceptible areas
- Operating for at least three months on a \$300 budget
- Withstand extreme conditions (1500°F, 120 mph winds)
- Remain environmentally compliant
- Blend into natural surroundings

Block Diagram



Design Idea



Trapdoor for emergency



Sliders to guide into trapdoor



Motor pin to be pulled in emergency



Waterproof box to hold electronics



Temperature sensor

GITHUB QR CODE

