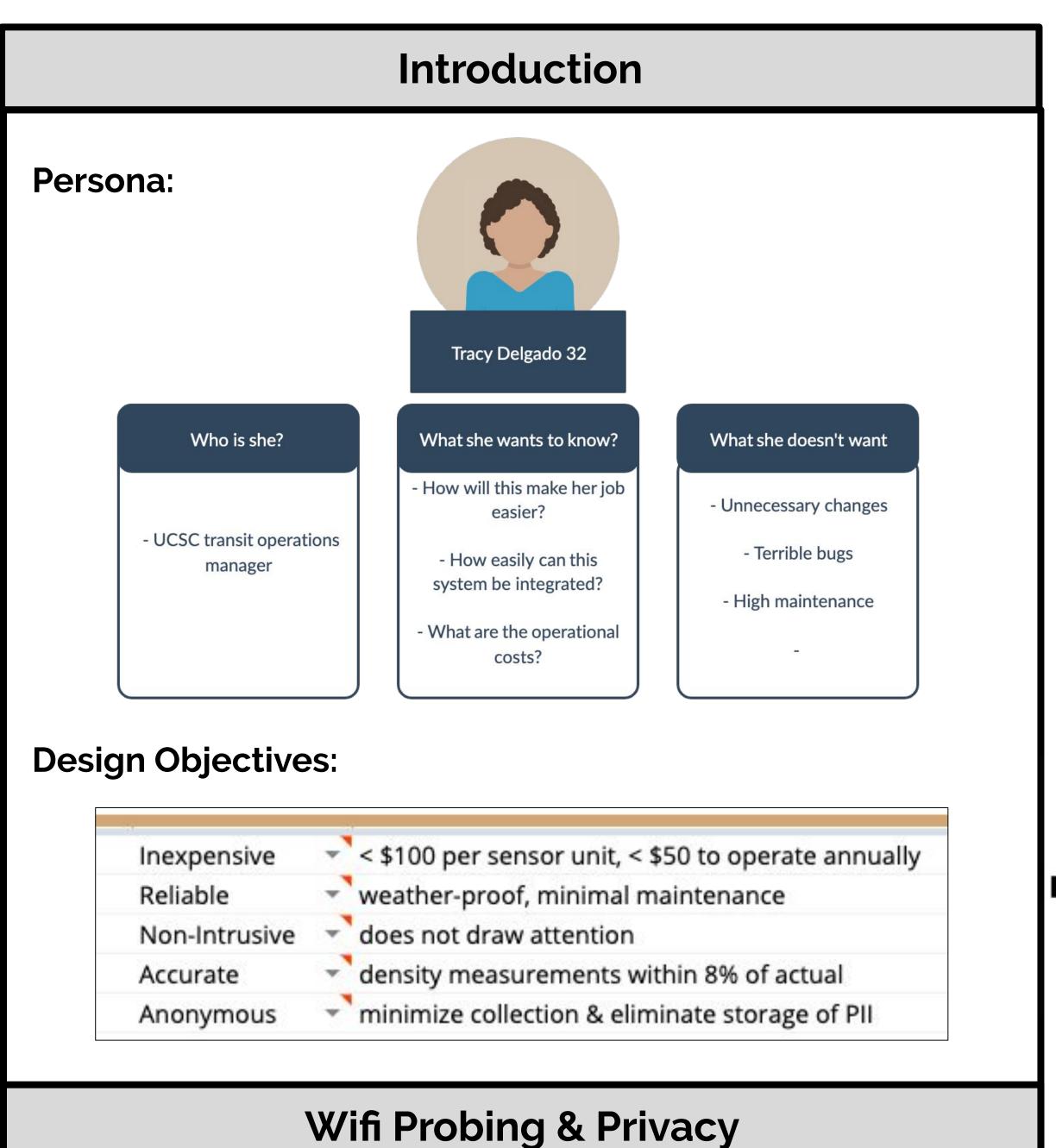
## UC SANTA CRUZ Baskin Engineering

## Bus Usage Monitoring Through Wifi Probing

Research & Engineering For David

Natan Lao, Jorge Henriquez, Kevin Jesubalan, Alexis Chavez, Bryan Munoz, Jennie Nguyen



## win Probing & Privacy

- Passenger devices are constantly probing for wifi
- We can match the unique identifier in those signals (MAC address) with the signal's strength (RSSI).
- Data is aggregated before transmission so private data is never stored.
- Data collected from wifi transmitters lead to an accurate estimation of population density on buses

