

Project Slides

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Task/Problem

- I want to make checking notifications easier
- I will do this by making a wearable notification center that is easier to access than a phone in a pocket

Components and Interaction

Components:

- **Phone**
- **TTGO T-Watch**
- **Internet Connection**

Interaction:

- TTGO T-Watch interfaces with a internet capable smartphone via bluetooth
- Watch accesses notification data from connected phone
- Displays such human-readable notification in a visually pleasing manner on watch face

Trade Offs

Pros:

- Easier access to notifications
- Less distraction from phone
- Keep track of notifs without being around phone

Cons:

- One extra device
- Slower than professionally developed notification suite

Tech Stack(Preliminary)

- ESP32
- DabbleESP32(bluetooth)
- Class T-Watch Libraries
- Arduino
- My-TTGO-Watch(Notifications)(<https://github.com/sharandac/My-TTGO-Watch>)

Challenges Expected

- Accessing iOS notifications
- Establishing a bluetooth connection
- Arduino syntax/workflow
- Getting used to new libraries

Timeline

- Make sure all libraries are working on watch
- Establish a bluetooth connection with phone
- Get notification data from phone
- Inject readable notification data into an array and display it on the screen