

Engineering Notebook
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Date	Notes
1/11/2024	<ul style="list-style-type: none">• First meeting back; wrote up notes from final Boeing presentation last semester and discussed semester goals as group• Essentially got assigned as working with and exploring flipper zero• Started discussion on editing vision statement
1/16/2024	<ul style="list-style-type: none">• Finished + submitted vision statement -> submit• Reorganized files in github
1/18/2024	<ul style="list-style-type: none">• First meeting back with boeing: typed up and added notes to shared drive• Rerequested access to capstone lab• Finalized and sent out new equipment list for approval
1/23/2024	<ul style="list-style-type: none">• Reached out to boeing and got them to approve list• Was waiting on SD card for my flipper zero so read through flipper zero documentation• Downloaded qFlipper on desktop and Flipper mobile app
1/25/2024	<ul style="list-style-type: none">• Connected flipper to mobile app and updated firmware• Researched flipper's BLE capabilities
1/30/2024	<ul style="list-style-type: none">• Found several github resources for BLE spam• Download flipper xtreme firmware from github onto flipper zero and was able to perform spam attack• Spent some time looking through the firmware github files and flipper files in desktop app trying to help understand but nothing useful yet
2/1/2024	<ul style="list-style-type: none">• Meeting with boeing -> need to type up notes• Swiftpair.c -> need to figure out how to edit out bad parts. Going to work on this
2/5/2024	<ul style="list-style-type: none">• Editing SDS• Editing SRS• Submitted SDS• Submitted SRS
2/6/2024	<ul style="list-style-type: none">• Continued working on trying to be able to edit flipper zero firmware myself but still unsuccessful• Met in person with the boeing representatives and talked to them about project
2/7/2024	<ul style="list-style-type: none">• Worked on and finished sprint presentation
2/8/2024	<ul style="list-style-type: none">• Presented spring 1 presentation

2/13/2024	<ul style="list-style-type: none"> • Still working on figuring out how to edit flipper firmware. Realized they are put into .fap (flipper application package) and I need to figure out how the flipper build tool works • FBT is harder to figure out how to get/use than you would think • https://github.com/flipperdevices/flipperzero-firmware/blob/dev/documentation/AppsOnSDCard.md
2/15/2024	<ul style="list-style-type: none"> • Meeting with Boeing: wrote up meeting minutes and put in shared drive • Some research into audio profiles documentation
2/16/2024	<ul style="list-style-type: none"> • Tried working more on uploading custom flipper app but still did not get anyplace
2/17/2024	<ul style="list-style-type: none"> • Updated github folders & uploaded notebook