Today I spent the majority of the time at RCOS debugging the BoardSolver application with Henry Robbins.

In the beginning of the period I was testing my connect 4 AI and seeing how its moves fair when playing against a perfect connect 4 solver. My AI did fairly well, when playing against https://connect4.gamesolver.org/ a perfect game would end in losing in 20 moves and my AI lost in 18. After discussing these results with Henry he advised me to try testing my swift code inside of Board Solver.

However there would be many issues that we would need to fix. The majority of these issues stemmed from the fact that my mac and Henry's mac were working on different versions. And as a result my Xcode worked differently from his because his was a few versions ahead.

This first issue was that I was unable to run the board solver app in an Iphone emulator in Xcode. After playing around with settings and looking for help online we realized that I had to change the build settings in my Xcode to use a different Iphone version. This allowed me to connect Xcode to an Iphone simulator properly.

However, an issue was that in Xcode I was unable to build the project because some new Swift syntax was unrecognized by my version of Xcode. However I could not just update Xcode because that would require a full software update on my mac.

After searching online I realized I had to go to Swift.org and install a new version of the Swift toolkit.

After changing the toolkit in Xcode I still had some syntax problems with the Swift code. However Henry said I could just comment out those lines of code for now as they were unimportant. They were just used to change the view.

Finally we were able to get Board Solver working on my machine. Here are some stackoverflow links we used for the debugging:

https://stackoverflow.com/questions/46690619/build-fails-with-command-failed-with-a-nonzero-exit-code/59440406#59440406

https://stackoverflow.com/questions/70789324/building-successfully-done-despite-errors-in-the-code-swift-xcode-13

https://stackoverflow.com/questions/63404251/how-do-i-install-a-newer-swift-tools-version/69932928