

ECE243 project – week 2

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Week 2 progress:

- Fixed issue with CNN model compiling on CPULATOR and directly on the board. By moving the test array out of the main function, the values are now stored in the memory and not the stack.
- Finished the code for drawing with the PS2 keyboard. Utilize the arrow keys to move around and draw the image. Key A is used to erase on unit size block. The backspace key is used to clear the screen while the enter key is used to capture the current image on the VGA display into a array.

Week 3 plan:

- Make the pen into a circle with color changes to improve visuals.
- Merge the codes to ensure to take input from the user and test the functionality of the inference model.
- Try to display the possibility for each digit on the VGA screen.
- Add audio if time allows.
- Create start screen for project, pressing space to start.
- Complete everything mentioned above before Saturday for a final touch up on Sunday.