

Progress Report 4

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Subsystem: Coding

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Reporting Progress from 21/12/2020 to 27/12/2020

Progress in C/C++

- Trees
 - Binary Search Tree
 - Searching in binary search trees

Progress in Arduino(IDE)

- Learned about three communication protocols, namely SPI, UART, and I2C
- Learned about ultrasonic sensors and wrote a code on a circuit involving US sensors on tinkercad
- Learned about LCD display and how to use it with an Arduino

Progress in Arduino(Hardware)

- The obstacle avoiding bot I was trying to build has not been completed yet because the motor driver required for that was L293D, but I had L298N(doesn't fit on my Arduino), so I will start again after the midterms
- I tried to display "hello world" on my LCD display using the Arduino, but every time I connect the circuit to my Arduino, the Arduino stops working. The same circuit was working fine on tinkercad

Progress on other fronts

- I learned how to use a soldering iron
- I finally found a hobby

Issues Faced

- Burned a LED
- I still can't figure out what is wrong with my circuit that it literally kills my Arduino.