

# Complicated Laser Turret

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# Where I am

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# Engineering Problem and Goal

Problem: I wanted a laser turret to entertain myself and cats

Goal: To build a fully functional laser turret

What has already been done: Another Filipino named Michael Reeves made a laser turret that works similar to mine but more complex with power sources, etc.



# Methods and Procedures

I have based my X and Y axis model off of Michael Reeves version but the code is totally different

I produced my prototype with everyday items like usb and outlet power sources, 3D printed objects, wires and servo motors from amazon



# Results

My project met my expectations because after much effort it was fully functional

Relevant Statistical Data: The servos originally did not work so I had to buy SG90 servos which worked perfectly but the coding was not working correctly so I had to figure out how to make both X and Y servos work regularly without interfering with each other and after better wiring it worked.




# Interpretation of Results

The results mean that I have successfully created a laser turret that functions the way I want it to. I expected that I would come close but not successfully make it work.

Problems that arose were that the servos I was using originally did not work with the code that would make the servo spin in a loop. Another problem was that the code did not work correctly and I have spent many days trying to fix it. I addressed these in a notepad to keep track of progress

There are not many people who own or make laser turrets and I think making a remote controlled turret helps the cause



# Conclusions

I have more soldering and electrical skill than I thought, and I can make a laser turret from a dollar store laser pointer and some servos.

My project did turn out how I expected but at the same time it didn't because I didn't really believe in myself that I could successfully make it

The applications of this project were self confidence in the electrical field as well as having a laser turret I can be proud of and say I made that



# Works Cited

<https://www.youtube.com/watch?v=ZpdvnHVleyI> - Michael Reeves

<https://the-boys.fandom.com/f/p/44000000000000002039/r/44000000000000004360>

maps.google.com

