Paper Title

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September 12, 2015

Abstract

Our abstract.

1 Introduction

Introduction here.

2 Software Design

Software design goes here.

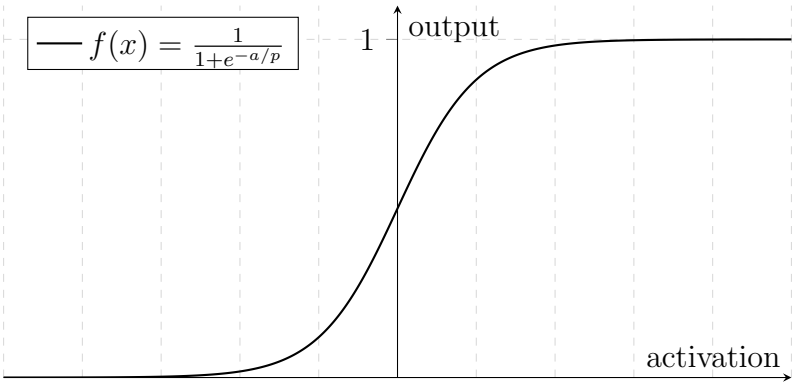


Figure 1: Sigmoid Function Graph

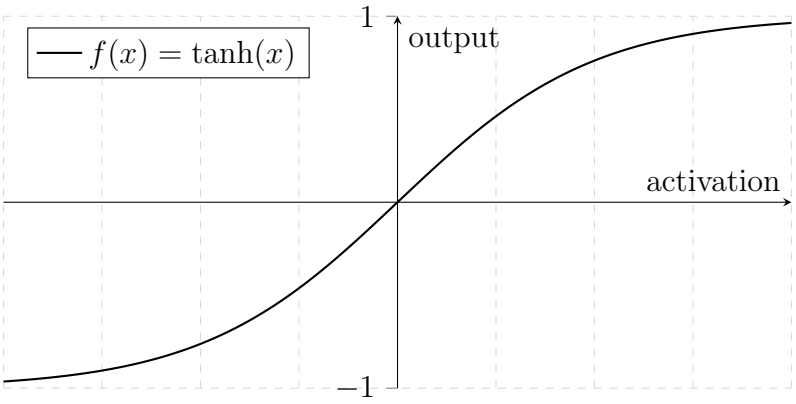


Figure 2: Hyperbolic Tangent Function Graph

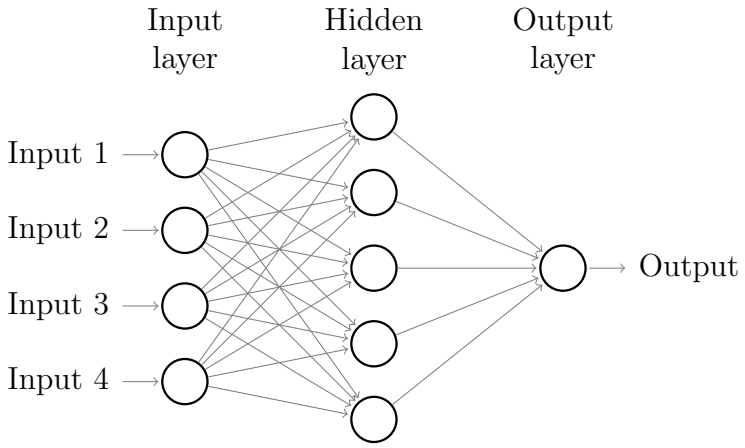


Figure 3: Single Output Feedforward Network

2.1 Neuron Architecture

2.2 Learning Experimentation

2.3 Q Learning Implementation

2.4 Design and Simulation

3 Results

Results, testing, and applications go here.

Algorithm 1 FizzBuzz Algorithm

```
1: for each integer i 1 to 100 do
2:     if 15 | i then
3:         print "FizzBuzz"
4:     else if 3 | i then
5:         print "Fizz"
6:     else if 5 | i then
7:         print "Buzz"
8:     else
9:         print i
10:    end if
11: end for
```

3.1 Training Methods

3.2 Findings

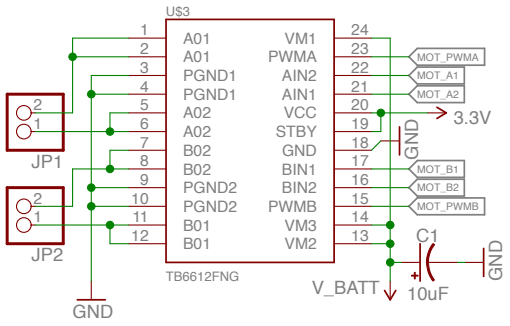
3.3 Further Applications

4 Conclusion

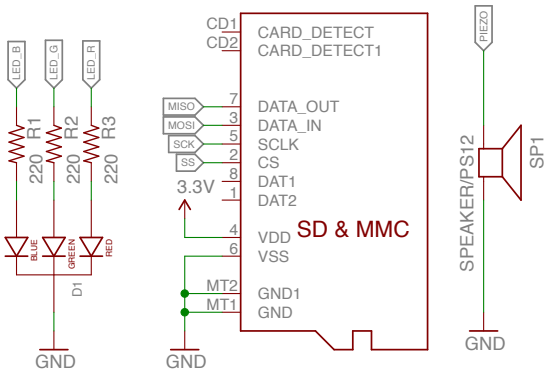
Restate, discuss further study, improving experimentation, etc.

5 Appendix

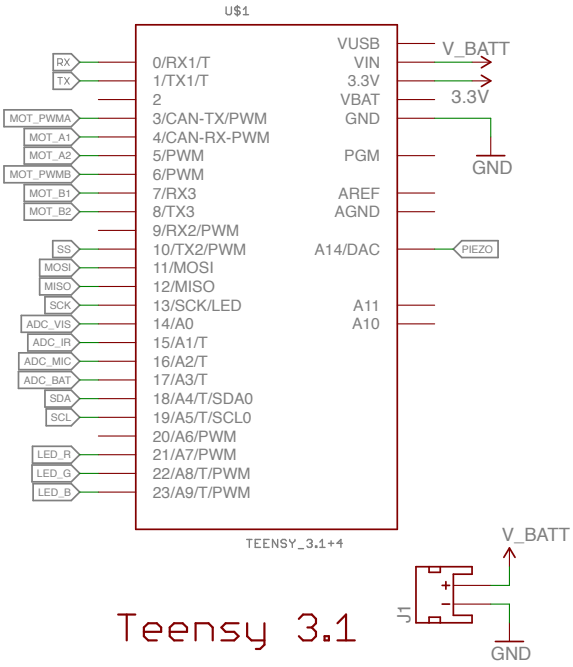
5.1 Electrical Schematic



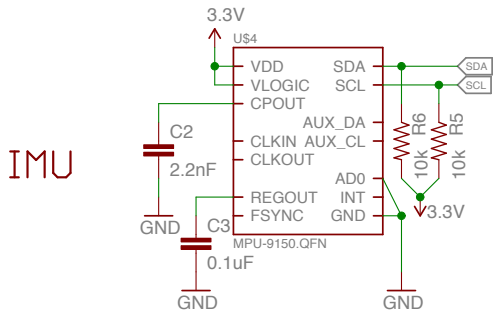
Dual Motor Driver

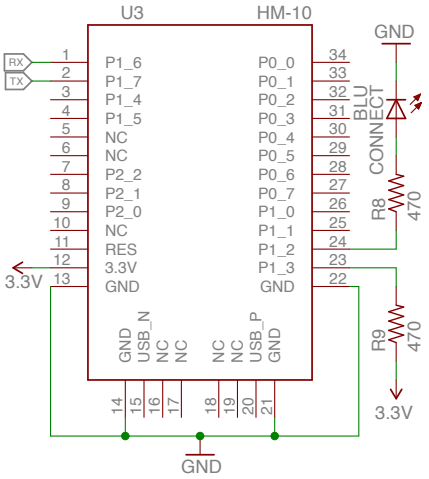


RGB LED MicroSD Card

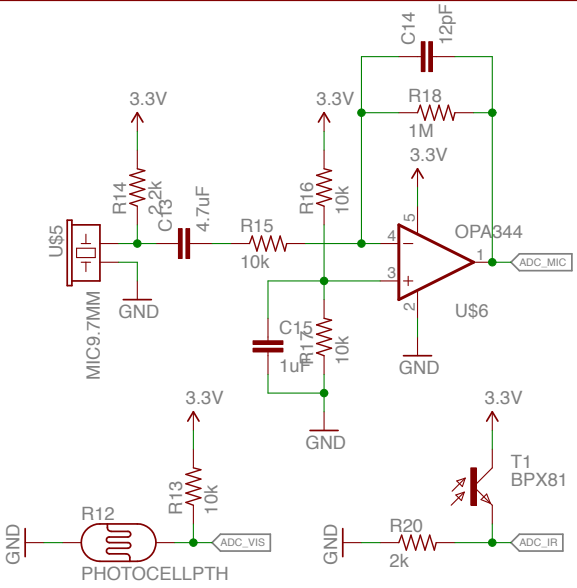


Teensy 3.1





HM-10 Bluetooth LE



Analog Sensors

Fido Prototype PCB

Joshua Gruenstein and Michael Truell

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References

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