0xBEEFDRONE Final Report

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# Project Overview

## Description

We tried to build a drone. It didn’t work that well.

## Design Philosophy

We put stuff together.

## Points of Pride

* Motors are controllable
* 3D-printed chassis (I found a use for my modeling skills!)
* Drone looks like a drone
* Stick (it’s a very nice stick)

## Sources for Algorithms

The MPU6050 driver code is mostly not ours. We also borrowed an insertion sort function that we didn’t feel like implementing. Much of the other driver code is based on examples from the internet for implementing simple sensor drivers.

# Work Organization

Almost all of the code on the drone itself was written by Ryan. All of the communication-related code, on the drone and on the remote control, was written by Jeremy. The 3D modeling for the chassis was Ryan. Most of the circuitry and soldering/assembling for the drone was Jeremy.