NPAC  
NICS Project for Autonomous Cars

I propose we build our own version of a “Donkey” car. It’s the most popular open source model currently for autonomous cars. We should be able to get all the parts for about $250. It uses a Raspberry Pi and all the code is in Python. We will be able to print our own parts to customize the look of the outside and we can use and modify the existing code to make it do exactly what we want, and it a fairly small amount of time. I think if we go this rout we will be able to finish the project before the end of next semester.

We can even remote control it with a cell phone when it’s not in autonomous mode.

Things we’ll need:

3D printer designs - <https://www.thingiverse.com/thing:2566276>

Directions on how to assemble (should take about 2 hours once we have all the parts)  
and software needed  
<http://docs.donkeycar.com/guide/build_hardware/>