AutoDrive - Project Plan

	Jianjie	Michael	Phoebe
11/5 - 11/12	Mapping relation between steering angle and pulse width signal	Conduct experiment on acceleration and physical + psychological model	Optimize deep learning model to improve/smoothen control performance in simulated environment
11/12 - 11/19	Video processing pipeline	Further research into psychological comfort results of experiment Calculate physical comfort results and convey to Jianjie and Phoebe	Tuning model, experiment with different parameters and error functions
Thanksgiving			
11/26 - 12/3	Construct test track and collect training data	Formalize results of experiment	Collect data and train the model
12/3 - 12/10		Deep background research into safety of manual driving and other autonomous models in preparation for next semester	Extensive training and optimization, start integrating with the hardware
Winter break			

Cost Estimation **(~$400)**

    a.   Racing car and all parts (~$200)
    b.   Movidius Compute Stick - extra computation power ($75)
    c.   Raspberry Pi ($35)
    d.   Camera and ultrasound sensor (~$20)
    e.   Miscellaneous items - wire, breadboard, etc (~$20)