



# AutoMoe

## Progress Presentation 1

Feb 13, 2018

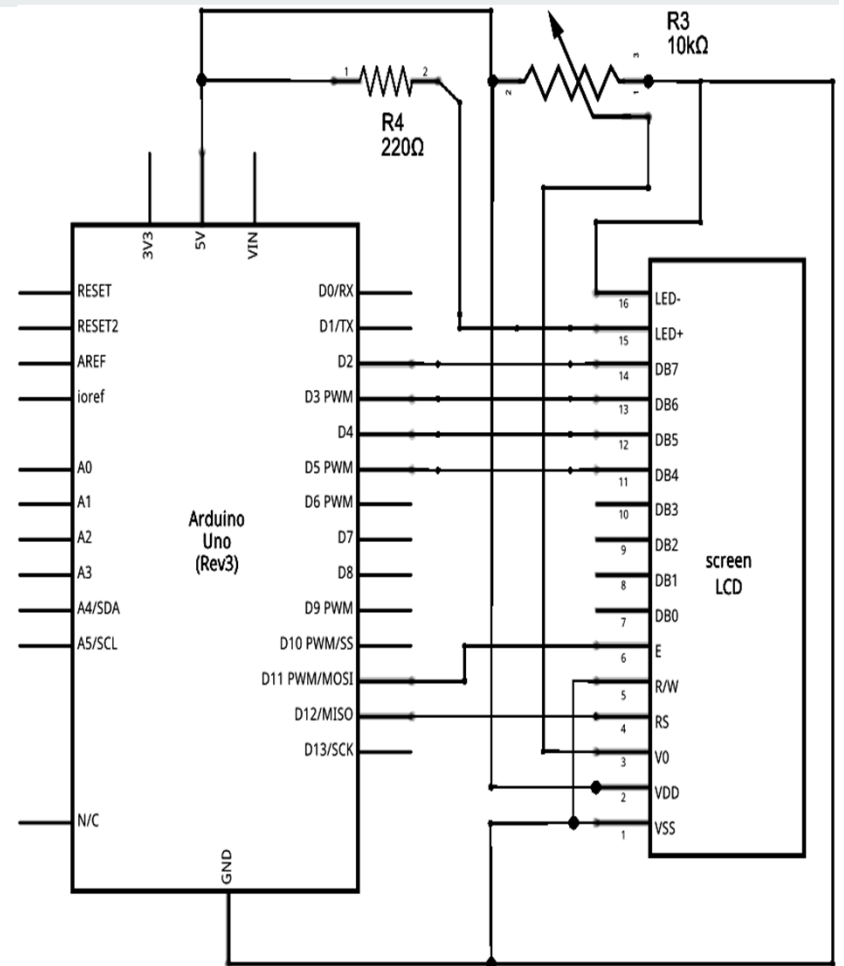
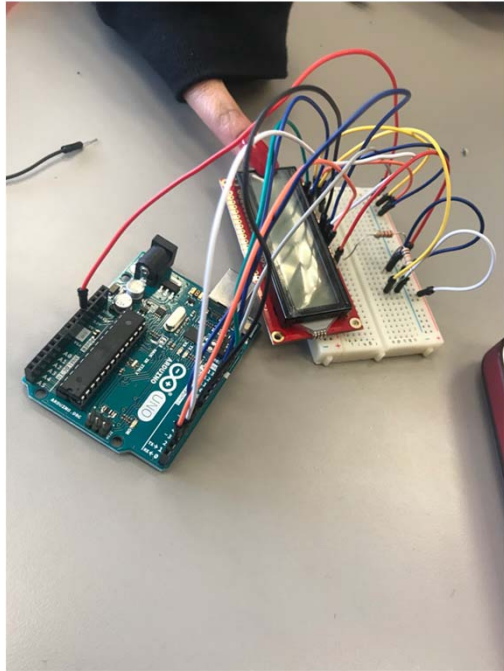
Team Members (Seniors) : Lateef Adetona, Tavares Kidd, Jordan Lafontant, Collin Scott



## Milestone Summary

Month	Week No	Tasks	Member in Charge	Monthly Deliverables
Jan	1	Winter Break		Blueprint of car and psudeocode
	2	Draft designs for car	Lateef/Tavares	
	3	Start psuedocode for all components of car	Collin/Jordan	
	4	Learn how to use MIT app inventor	Jordan/Collin	
Feb	1	Begin setting up phone UI for GPS	jordan/Collin	Car built
	2	Solder components to breadboards	Lateef/Tavares	

# Actual Outcome - Hardware





# PseudoCode

## Current capabilities

- Directional Decision Making ( steering )
- Way point Recognition , GPS positioning
- Defined speeds ( fast, slow , regular )
- Speed Alteration
- Waypoint to waypoint protocols

## Future capabilities

- GPS tracking
- Outlier protocols
- Kill switch
- LCD Display



# Risk Management

- Troubleshooting components; group doesn't have 24/7 access to oscilloscope and digital multimeter.
- Assembling all necessary components onto RC car
- Sending signal from Android phone via Bluetooth (bluetooth module is Bluetooth Low Energy HM-10, makes it difficult to communicate with Android phone)



## Highlights

- Bluetooth connection between a phone and microcontroller have been tested and established
- Education on unfamiliar Libraries and software ( MIT app inventor )is progressing
- Coding for GPS is nearly ready to begin testing

## Lowlights

- Issues with communication between Android phone, using iPhone for troubleshooting purposes.
- Missing components for original LCD Display schematic