

Week	Topic	Hours Spent	hours/week	
1	Researching Raspberry Pi (eventually switched to Arduino)	2 hours		
	PySerial Installation	2 hours		
	PySerial Code	2 hours		
	Looking into PyAudio	4 hours		
	Researching LEDs	2 hours		
	Wiring LEDs to arduino+breadboard	2 hours	14 hours	
2	making LED lights to smoothly fade (writing serial and python code)	3 - 4 hours		
	attempting to get the music analysis to work in pyaudio + integrate with LEDs	4 hours		
	writing graphics / UI	8 hours	15 - 16 hours	
3	trying to make fade work smoothly	4 hours		
	trying to get pyaudio to work	3 hours		
	writing graphics / UI (reset, loop, changing time)	5 hours		
	writing load/save	2 hours		
	instructions	1.5 hours		
	compiling video + other deliverable things	2 hours	17.5 hours	
Total			46.5 - 47.5 hours	