

I would be willing to work on any of the following projects for the semester.

	Project Originator	Project Name	Potential Contribution	Suggestions
1	Rue, Justin	Android Head Unit	I have a fair amount of experience in circuit design that I feel would be useful to the project. I also have an interest in both automotive and mobile technologies.	I would focus on integrating devices that already exist, rather than re-inventing the wheel with a new android device. A possible solution would be to design an interface that is compatible with most mobile devices and write an application to interact with the car's systems.
2	Jan, Patrick	App-Controlled Camera	I have a fair amount of experience in circuit design that I feel would be useful to the project. I also have an interest in both photography and mobile technologies.	I like the idea of remotely controlling the camera's settings. This could be invaluable for directors or photographers who want to view the situation from a different angle. The mechanical control of the equipment would probably be easier than the adjustment of the camera's settings, which may not even be possible, as many cameras don't offer an external interface for settings adjustment.
3	Mischin, Frank	Auto. Volume Control	I have tinkered with current remote-control technologies and I have a fair amount of circuit design experience that I believe would be valuable.	I think a remote device that contains a microphone to measure ambient noise would be cool for this idea. This device would measure the sound present in a room and send out the appropriate IR remote signals (based on the TV model) to lower the volume. It could be programmable for many brands, similar to many of today's universal remotes.
4	Switalski, Stanley	LED Patch Panels	I have some circuit design experience, and have had to deal with network wiring on smaller scales.	I like the concept. While I don't have a great deal of large-scale networking experience, I would suggest attempting to make a more modular system on the MDF side. (It seems like you were outlining a solution that has one unit tied into the MDF and satellite units to provide the DC power, but I could've misunderstood.)
5	Stephenson, Robert	LED Ethernet Cable	I have some circuit design experience, and have had to deal with network wiring on smaller scales.	I like the idea of the cable testing being integrated into the cable. I think a great addition would be making adapters or cable plugs that can be added to existing infrastructures to provide this functionality. This would remove the necessity of replacing cabling.

I pledge my honor that I have abided by the Stevens Honor System.

Gregory J. Kaminski