# Justin

I feel I am suited for this topic as I am very adept at embedded systems with multiple levels and different skill requirements involving programming for embedded systems and non-embedded systems, electronics, circuit design and production, such projects like this always help to improve and hone my skills as an engineer. I also feel this would be a fun challenge on IOT scale as it would require some level of IOT for user interface which I have had experience with at vacation work for a company producing units that plug in to a home alarm and then can be controlled from the internet, also designing and building a custom system that allows me to control my lights and monitor my room from the internet, this all included researching, embedded software design, android development, circuit design and 3D CAD work which I feel will be needed to complete the project described by this topic. I also believe that project will require some metal work and possibly welding in which I have had training.

# Nicolls

After having spoken with Prof. Nicolls on the topic I feel I have a decent understanding of the project and what the desired outcome is and that it is something I am interested in. Having designed and built many circuit boards myself I feel I am more than comfortable with the outline given by Prof. Nicolls on the circuitry, and having designed 3D CAD models for various projects myself I will be able to improve on this skill and provide a more than suitable prototype for the project. Also having worked with similar sensors I feel I can grasp an idea of the final product giving me an advantage in understanding the mechanics and physics behind such a sensor.

# Martinez

Having spoken to Prof. Martinez I feel I have a grasp on the scope of the topic. With experience in mechanical systems