Team Biography

The group *Photobotics* is composed of two individuals. The group members are Dustin, a Victoria native, and Stephen, a Kingston, Ontario native.

The project is to take an ordinary digital SLR (single lens reflex) camera and make it fully controllable from an *Android* cell phone. From the *Android* phone, the camera's settings like shutter speed and aperture can be changed. Also, the view from the camera can be seen on the screen of the *Android* phone, allowing precise photo taking. The camera will be mounted on a device that uses two servomotors to rotate the camera up, down, left, and right.

The future potential of the *Photobotics Camera System* is quite high. This is because digital SLR's are becoming more economical and becoming a more common household item. In theory, the *Photobotics Camera System* is compatible with any digital SLR camera that uses PTP (Picture Transfer Protocol) communication.

Figure 1- Dustin Steinbach

Dustin has an extensive background in photography. Since photography is a big part of his life it made sense for him to take the responsibility of writing the code to communicate to and from the camera with PTP.

Figure 2- Stephen Ford

Stephen has an extensive background in programming, specifically in the *Linux* operating system environment. Because of his extensive *Linux* and coding knowledge, Stephen's responsibilities are to write the communication code to communicate. The code consists of communication from the *Android* phone to the embedded system which controls the camera.

Thank you for taking the time to get to know the faces behind *Photobotics* project team.