RunSafe

High Fidelity Prototype

Outdoor physical activities can be difficult during the winter months because the days are significantly shorter and darker. Invisibility of the direct path and for runners from vehicle operators can feel unsafe and create a barrier to maintaining a healthy lifestyle. Our project is to develop a wearable technology that will light up your direct path for running outdoors.

Front View

1. Personal body alarm
2. 3D printed light which represents the actual location and size of the LED lights.
3. Bluetooth connected music controller
4. Live example of second light with LED that works

Back View

1. Elastic is reflective, washable, and moisture wicking.
2. Red LED on the back blinks continuously for safety.
3. Contour shape helps improve runners' posture and prevents the shrug from slipping off the shoulders and improves fit and stabilization.

Detail of Personal Body Alarm

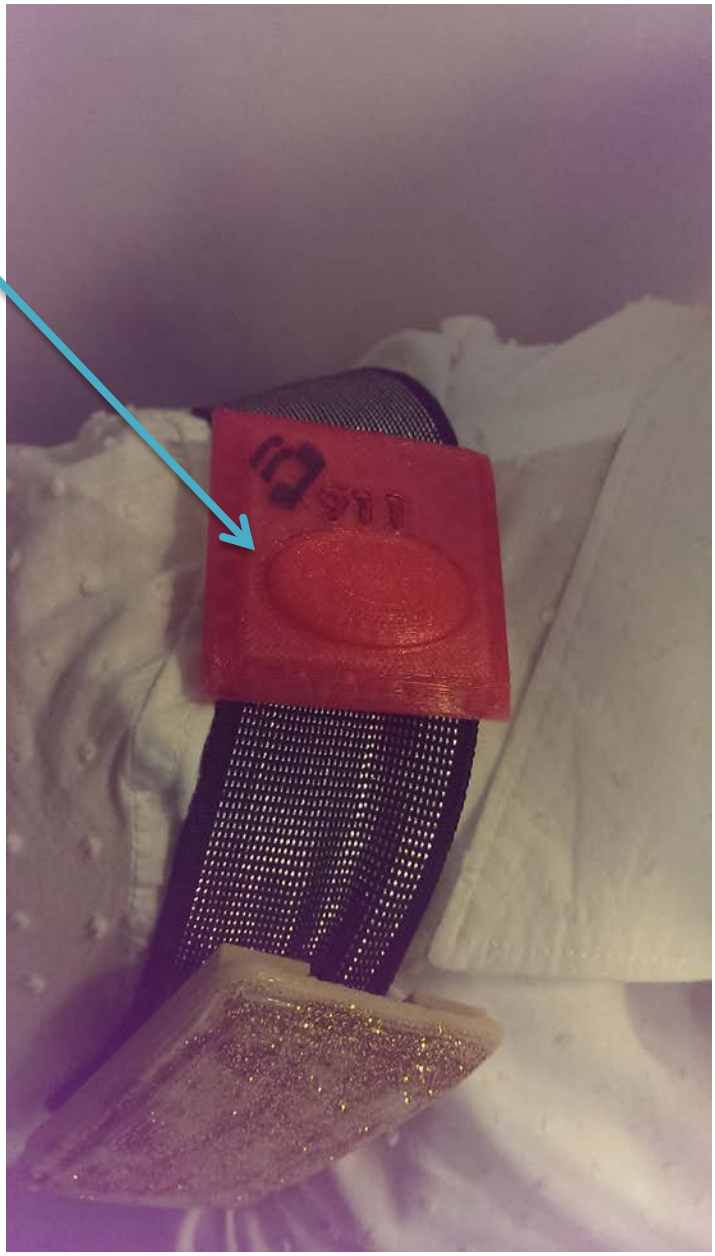
Alarm button that when pressed initiates a loud sound and red blinking LED Light.

Alarm can be pressed by hand or by chin in case of emergency.

The button also sends a notification to the police with the location of the runner.

Additional feature is to include a slight time delay in case the button is pressed accidentally.

Future versions could include a second setting (like pressing the button twice) for immediate police response.

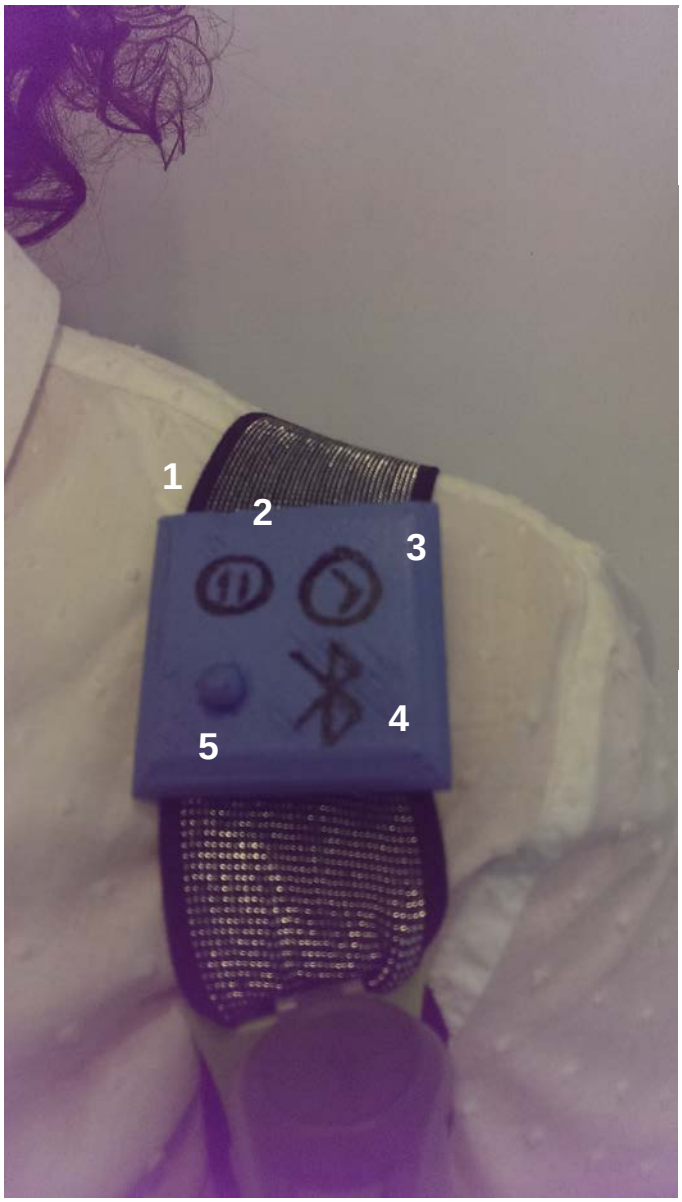


LED Light Detail

3D printed light which represents the actual location and size of the responsive, motion-stabilized, light-weight LED lights.

Future versions of the light should be shaped to fit the contour of the body.

Detail of music controller



1. Headphone jack
2. Pause button
3. Play button

4. Bluetooth insignia which represents both a sensor that pings the IP addresses of cars and the connection to a music playing device. When a car enters a 50 meter proximity to the runner LED lights dim and the music volume goes down.
5. On/off button

Detail of LED light

Working LED light represents the actual location and position of the responsive, motion-stabilized, light-weight LED lights.

Note: this is not the shape of the final LED light. Please refer back to LED Light detail for shape and size of actual light.