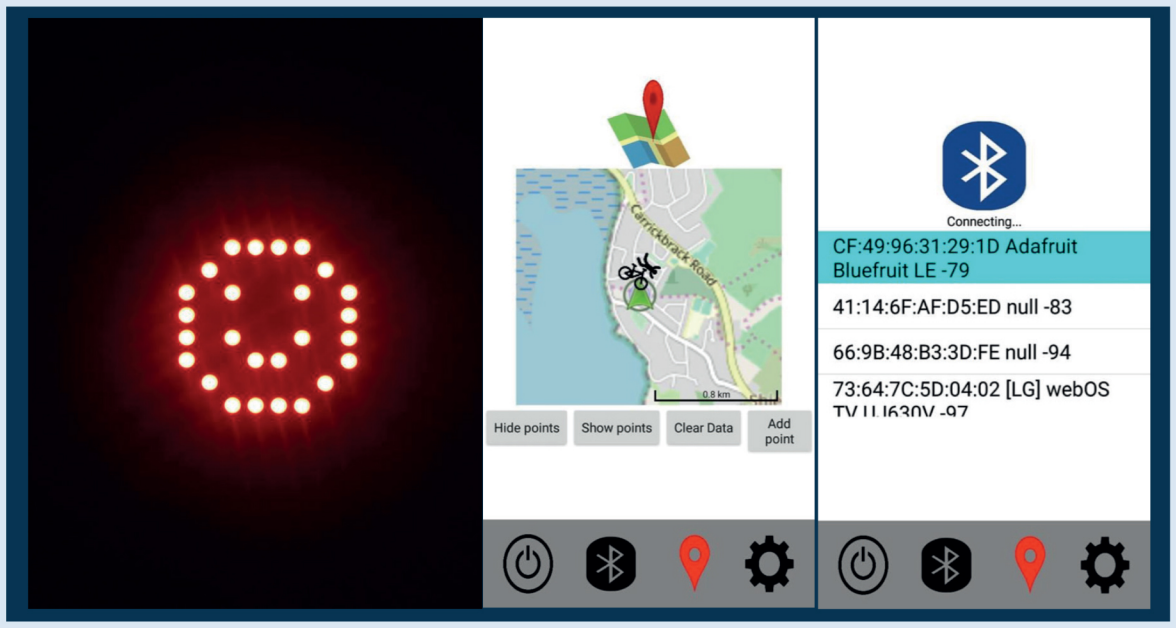
Smilite

Our mission is to maximize the visibility and safety of cyclists, while simultaneously providing an accurate insight of danger zones in their route.



Features

- Bright LED display
- Lidar sensor detects danger
- Active warning animations
- Bluetooth connectivity
- Dangerous incident locations stored on the cloud
- Interactive map of incident points
- Seamless switch between left and right hand drive modes

Benefits

- Allows cyclist to track dangerous areas on his/her route
- Protects cyclist by notifying drivers of their unsafe behavior
- Informs drivers about what is a safe distance and speed
- Bright light improves cyclist visibility

Universal Design and Innovation

Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

School of Engineering
ME3B8 Group 4
Ugnė Bunikyte, Darragh Porter, Conor Gallagher, Cormac Mac Grory, Conor Twohig

How it works

- Bike light's initial state is a smiley face
- Sensor detects vehicle that is too close or approaching too quickly
- Bike light changes to a flashing frowning face, notifying driver
- Bike light tracks GPS coordinates of this occurrence and logs them onto the application
- Cyclist logs onto application and can track his/her danger areas

SMARTER TRAVEL
Campus Awards 2019

FINALIST