There are 15 million blind and visually impaired people in North America and 1.5 million are blind.

99% + of blind people do not participate in any kind of athletic activity because they do not feel safe or secure when exercising.

Our Mission:
Provide a safe, effective and reliable assistive device for blind and visually impaired swimmers.

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With Collaboration from:
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The Problem

Blind and Visually Impaired Swimmers cannot locate themselves in a pool. They have difficulty knowing when they are approaching the end of the lane and whether or not they are on center within the swim lanes. This causes blind swimmers to hit the pool walls and to veer off to the lane dividers or pool sides, which can cause injuries.

Currently, blind swimmers use one or more strategies to locate themselves in the pool and avoid collisions with swimmers or pool walls:

- Access a pool when there are no other swimmers present
- Hire tappers who alert them when they reach the end of the pool
- Constantly hit lane dividers with their arms to locate themselves in the pool lane.

EyeSwim is a device used by blind swimmers to establish lane position and execute corrective maneuvers.

Advantages of EyeSwim:

- Alerts – Swimmer to pool sides and end
- Swimmer Independence – no Tappers required
- Safe – Made of soft flexible materials
- Affordable – cheaper than hiring tappers
- Orient – minimizes zigzagging along lane

We also changed Icicles with dense rubber tubing based on recommendation from swimmers.

We improved previous design by suggesting I-connectors to replace the T-connectors of the previous version, I-connectors are a single piece design equipped with Spring Lock.

Passive device components

Icicles are part of the device which hangs downward in the water, creating a tactile effect for underwater swimming.

We intend to build the device for WCBVI (Wisconsin Center for the Blind and Visually Impaired).