

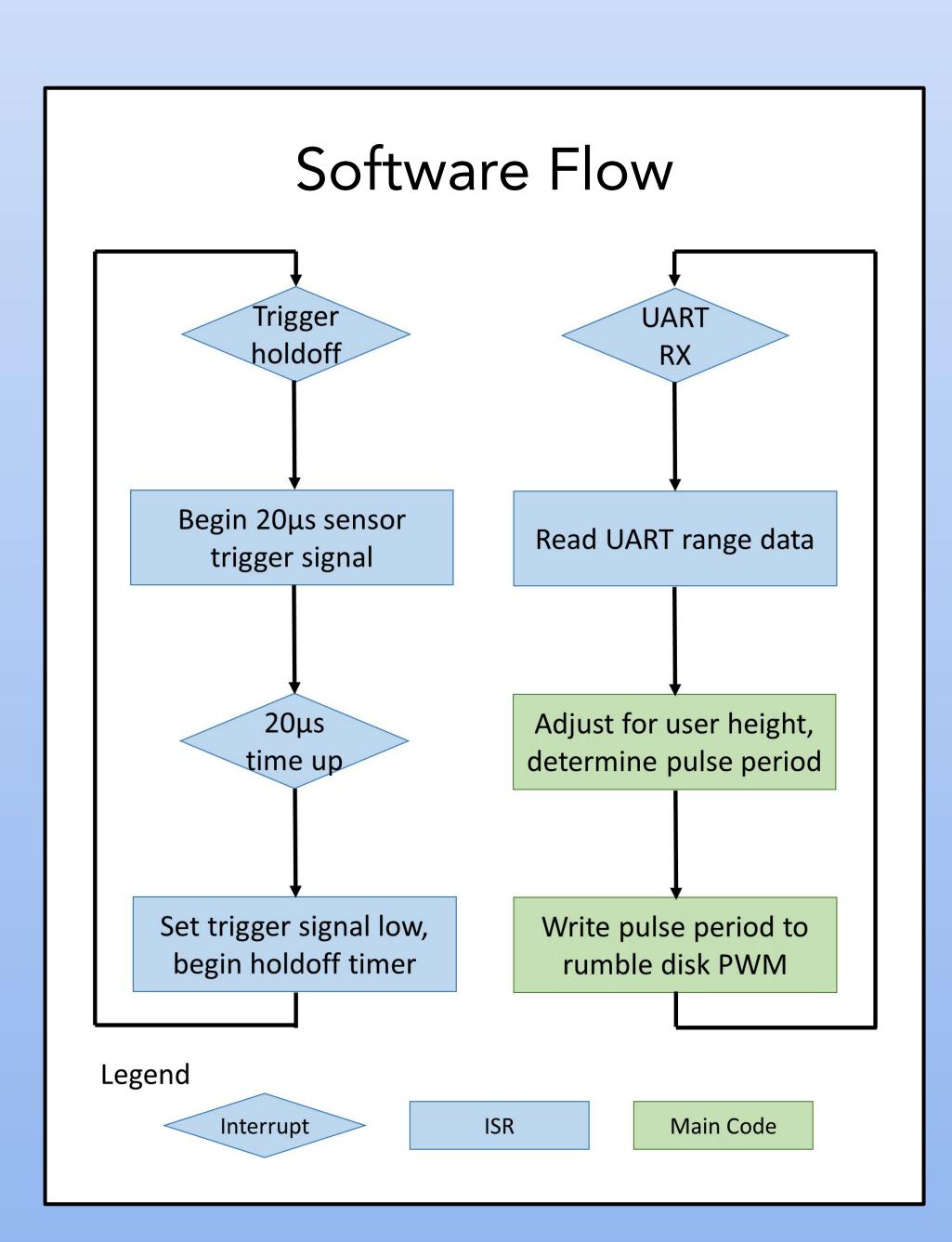
Smart Cane

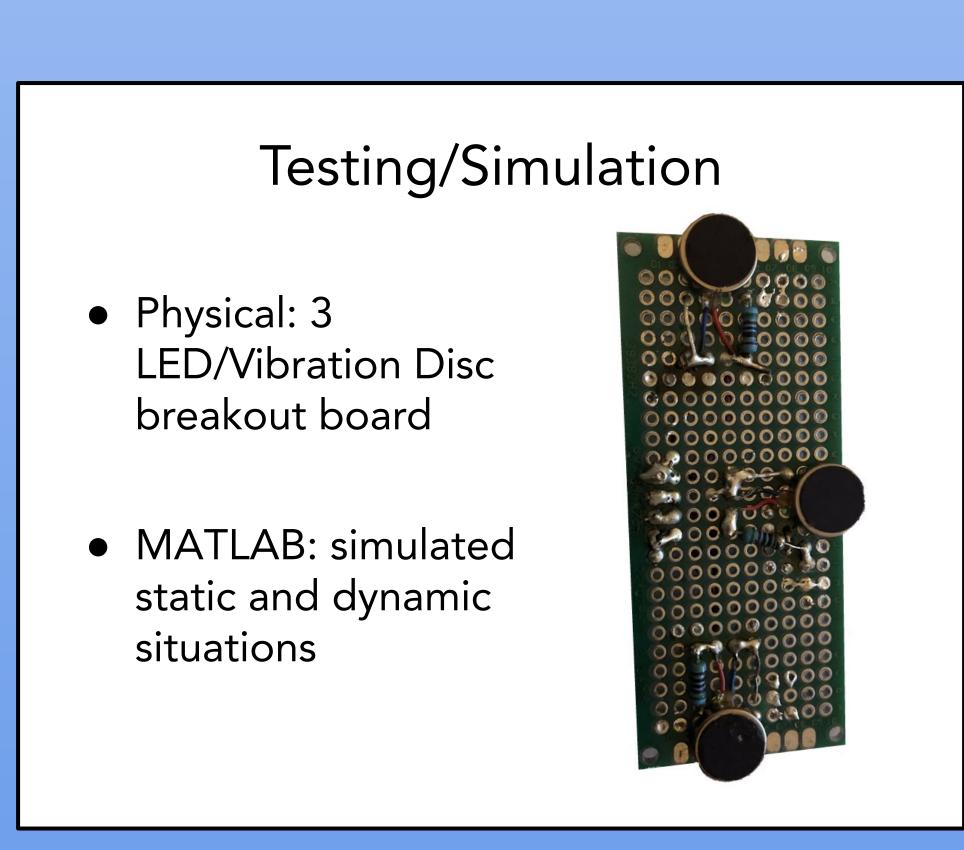
Meg Clinton, Brandon Hayame, Alfonso Pimentel, Robin Seguin

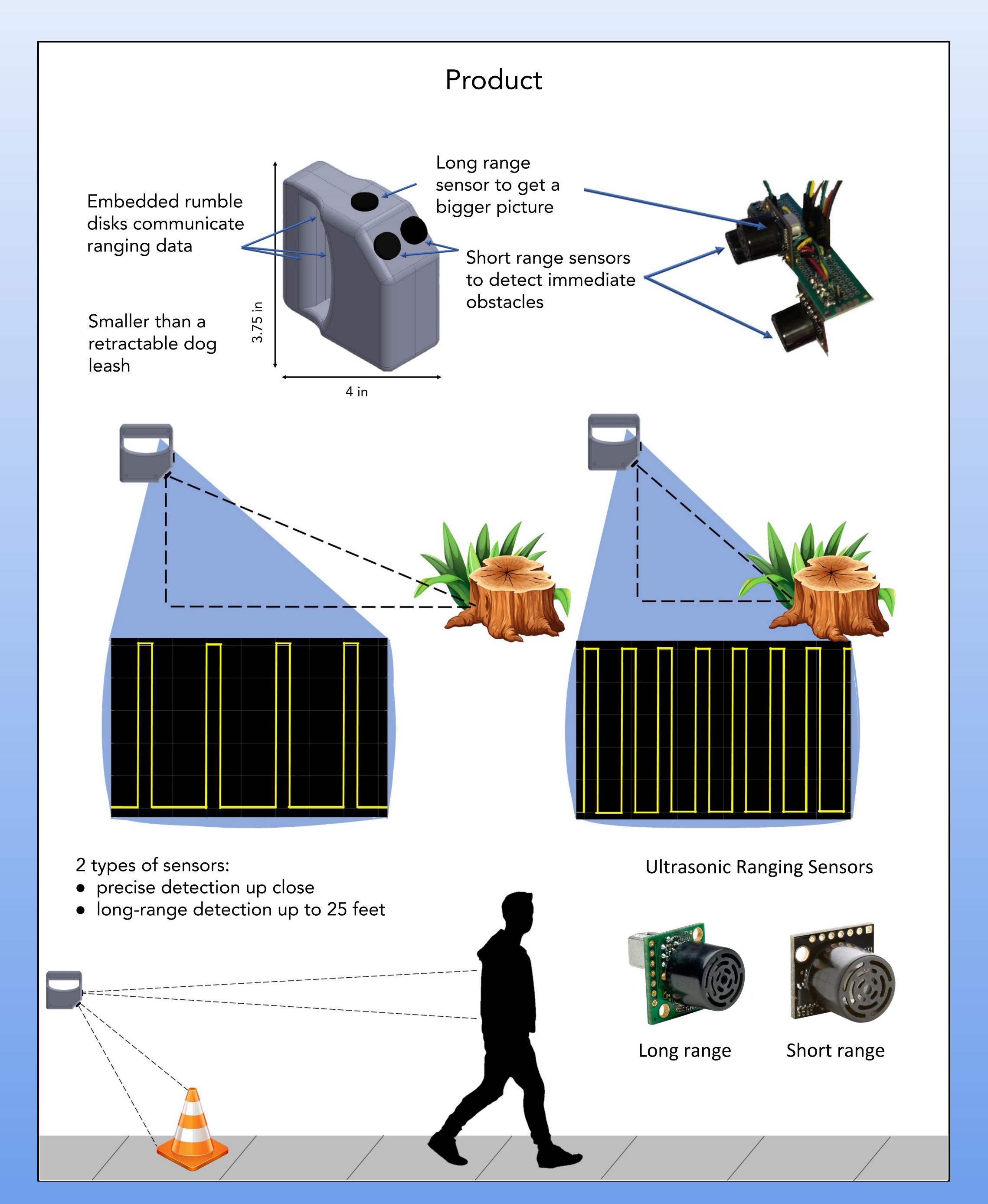


Our Goal

Create an alternative to the cane used by the blind that has a larger detection range to help a visually impaired person navigate the world and live an independent life.

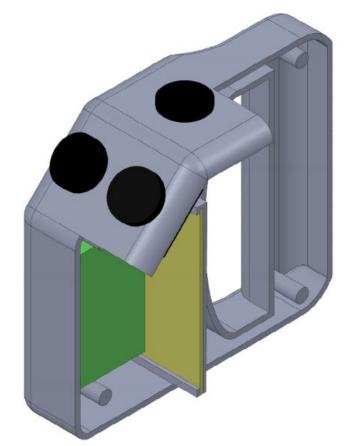






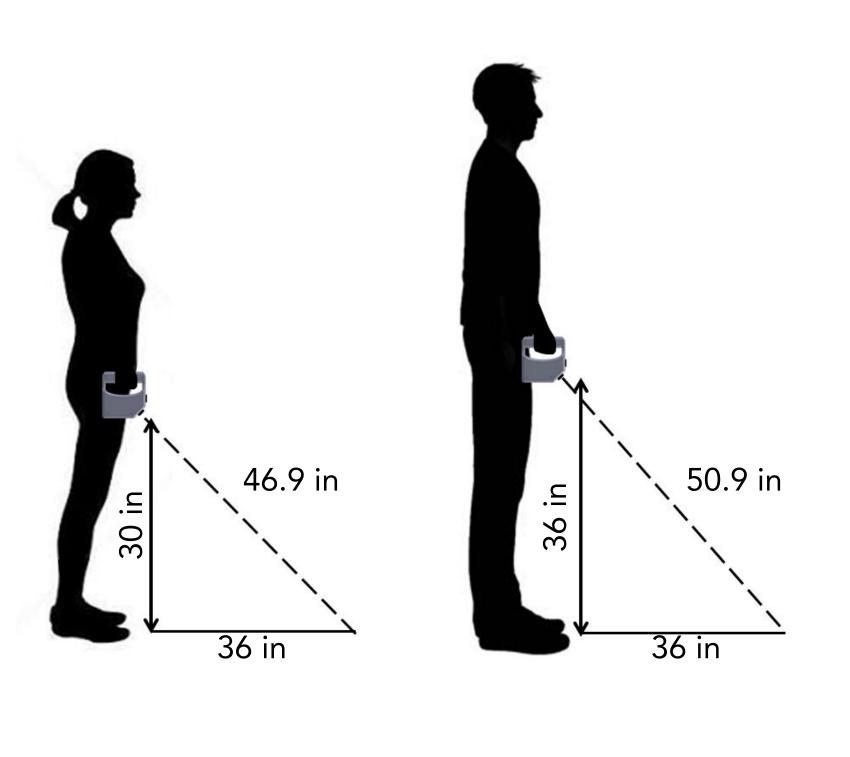
Manufacture and maintenance

- Lightweight aluminium bodygreat weight:price ratio
- 5000mA battery for multi day battery life



2 Stage Calibration:

- Factory Level: each sensor must go through a rigorous controlled testing environment
- User Level: one time adjustment for user's height



• Ensures absolute <u>safety</u>

Sources

https://www.maxbotix.com/Ultrasonic Sensors/MB1200.htm https://www.maxbotix.com/Ultrasonic Sensors/MB1043.htm