Github link:

https://github.com/chenhuiyang1994/EECS376_ps2/blob/master/lidar_alarm.cpp

Youtube link:

 $\frac{https://www.youtube.com/watch?v=6CtOTbbGHXw\&list=PL1WxStBxgFL-uERja547HstCQPLWaUIl2\&index=2}{}$

Expand the single ping reference to a larger spectra of pings. Works better if start at place with less obstacles.