Challenge 6 Rubric: Find the Device

What the scores mean

General (0-5, 5 is highest)	Rating	Max	0	1	2	3	4	5
Quality of solution		5	Nonfunctional	Some elements missing or nonfunctional, unreliable	Meets requirements, but possibly flaky performance	Meets requirements and performs function as specified. Robust	Exceeds requirements. Evidence of solution going beyond baseline.	Well thought out, design decisions supported; extensible for future challenges
Quality of written presentation		3	Not posted	Lack of depth on content. Just repeating the assignment statement.	Evidence of technical knowledge and challenges solved shown above baseline	Clear, consise, complete, articulate. Depth of technical discourse.		
Quality of code management on github		3	Not posted	Little or no management	Average	Exceptional. Show branching, merging, commits		
Quality of oral presentation (presenter only)		3	Not posted	Long, disorganized, incomplete, incoherent	Average	Clear, concise, complete, articulate		
Quality of video		3	Not posted	Long, disorganized, incomplete, incoherent	Average	Clear, concise, complete, articulate		

Other qualitative

Other bonus features provided		3	None	One	Two	Multiple		
Position computation		3	None	Ad hoc	Trilateration	Knn		
Computes and reports position error		1	No	Yes				
Responsiveness--accuracy		3	Gross errors	Jumpy	Stable and accurate	Fast, stable, and accurate		

Required elements (0/1, 1=met)

			0	1
PPT, video, link to github provided in single posting		1	No	Yes
Tracks movement in real time (< 2s delay in reporting position)		1	No	Yes
Graphic display 2 or 3D		1	No	Yes
Finds position of static device to within approx. 1m. Position is not jumpy.		1	No	Yes
Data displayed graphically in 2D or 3D		1	No	Yes
Location data is hosted and serverd by Pi that is accessible off campus.		1	No	Yes

Total Qualitative	0	27
Total Met Requirements	0	6

Quintile (1/2/3/4/5), 1 is highest		1