

2020 CP316 Adaptive Cruise Control Checklist (0.1)

- Design

- A. Software

1. single boolean for option \_\_\_\_\_
2. minimal boolean testing \_\_\_\_\_
3. minimal blocking \_\_\_\_\_
4. low level rationale \_\_\_\_\_
5. low level readability \_\_\_\_\_
6. low level modularity \_\_\_\_\_
7. modular  
(explicit functions for *each* \_\_\_\_\_  
device)
8. no magic numbers \_\_\_\_\_
9. self-explanatory variable \_\_\_\_\_  
and function names

- B. Documentation

1. system overview \_\_\_\_\_
2. clear block diagram  
(identifying signal types) \_\_\_\_\_
3. *explanation of each block* \_\_\_\_\_
4. clear process diagram  
(identifying all components) \_\_\_\_\_
5. *explanation of each component* \_\_\_\_\_
6. *comparisson of options* \_\_\_\_\_