Phone Screen Outline:

1. First 5 minutes
   1. Introduction by the interviewer (1 min)
   2. Talk about yourself based on resume (~4 min)
      1. Go into enough detail so that they understand
      2. But not enough detail so that you waste time
2. Questions (~1 hour)
   1. You can ask the interviewer anything within reason (always use this)
   2. Step 1: Write some examples and clarify with the interviewer
   3. Step 2: State and explain your approach and say if this is a good idea
   4. Step 3: Ask permission to code (if yes, implement, if no find another solution method)
   5. Step 4: Implement, idea should be right, just make sure you don’t have any bugs based on wrong ideas (syntax errors are OK)
   6. Step 5: Go over the complexity of your code
3. Postgame chat
   1. Ask the recruiter 1-3 questions about the company
      1. What do you do?
      2. What is unique about the company?
      3. Tell me about the tech stack you use? Etc.

CTCI Instructions: **(Remember, constantly speak/make sounds)**

1. Listen (VERY CLOSELY, WRITE STUFF DOWN)
2. Example (Make 2 of your own examples, make sure they are big enough, debug them)
3. Brute Force Solution (If you don’t instantly know the answer)
4. Optimize and look for the right answer
   1. Look for unused info
   2. Solve it manually, then formalize your though process
   3. Use data structures (quicker time for more space!)
   4. Solve it incorrectly and figure out why you failed
   5. **B.U.D**
      1. **Bottlenecks**
      2. **Unnecessary Work**
      3. **Duplicated Work**
5. Once your sure of your answer, walk through it with your interviewer
   1. If they say know, move back to step 4
   2. If they tell you that you can move on, go to step 6
6. Implement
   1. Write modular code that expresses your thought process from (5) concisely
7. Test your implementation
   1. Conceptual
   2. Unusual/non-standard parts
   3. Edge-cases
   4. Small tests cases
   5. Special Cases/Edge cases