# Cracking the Coding Interview

## Topics to Study

1. Object Oriented Design
2. System Design
3. Concurrency and Multithreading
4. Database Design
5. Data Structure and Algorithms
6. Compilers
7. Operating Systems

## Before the Interview

1. Build projects outside of school/work
2. Learn multiple programming language and technologies
3. Build website/portfolio showcasing your experience
4. Find internships and work on larger projects
5. Continue working on new projects and technologies
6. Prepare a draft resume and have it reviewed
7. Make a list of target companies
8. Practice Leetcode, mock interviews and company specific tests.
9. Brush up on the key concepts.
10. Continue practicing and track your mistakes
11. Review/update resume and add a cover letter
12. Apply for companies

## During the Interview

1. Be confident
2. Talk out loud and show how you think

## During Behavioral Round

1. Be specific straight forward, not arrogant
2. Stay light on details and just state the key points
3. Focus on yourself, not your team
4. Use the STAR technique to give structured answers
   1. Situation - explain the situation so the interviewer understands the context
   2. Task - talk about the challenge or the goal you are trying to achieve
   3. Action - describe the steps you took to reach your goal
   4. Result - explain the outcomes of what you did.