Interview
Prepare for the Interview

Review interview questions

Study the company
Common Topics

Algorithms
Data Structures
Design Patterns
Agile development
Coding
Resources for preparing

Books

- Cracking Coding Interview: 150 Programming Questions and Solutions
  by Gayle McDowell

- Programming Interview Questions Exposed
  Eric Giguere, John Mongan, Noah Suojanen

Websites

- careercup.com
- glassdoor.com
Sample Questions

Why data members are private when we can access them through getter/setters?. Why can't we just make them public.[ How will you convince the interviewer]

Design a multiple elevators system of skyscraper. Design an algorithm to let person find available elevator soon. How to improve your algorithm?

If you are provided with 8 balls with one among them heavier than remaining . You have a weighing balance. in how many measures can u identify the heavier ball.

you have a 5 liter and a 3 liter jars. You can use any amount of water. Shouldnt use any other jars or containers. How can you get exact 4 liters of water?

What are you looking for?
Me: " I'm looking to work in a software engineering position at Apple because I really enjoy building projects with iOS."
Interviewer: "Is that all you've got? haha."
Question: How do I respond to this?
If you don't know admit it

Interviewers looking at different levels

What do you know
How do you solve problems
How do you react under pressure
Can you admit not knowing
Ask Questions

People who are really interested in the position will ask questions
Getting the Interview
Most Job ads contain a long list of requirements

Don't take the list too seriously
A company can get 100's of resumes a day
How to get them to read your resume

Network
Do something
Be an expert
Network

Maintain a network of friends and professional acquaintances

Use them when looking for a job
Network

Facebook

LinkedIn

Professional meetings
Network

Long term

You will need/want another job
Do Something

All students take about the same courses

No job experience

So hard to stand out
Do Something

A side project will help you stand out

An interesting side project is better

If no ideas look for open-source project to contribute to
Do Something

Write a blog on technical issues
Be an expert

Pick a topic and become knowledgeable on it

Blog on it

Give talks on it
On the Job
Find a Mentor

You need to improve your skill set

Find someone to help you do that

Books like Code Complete and The Art of Readable Code help but working with someone good is much better
Fast Changing World

Global work force

New technologies
Age at which software developers start to have hard time finding work in Bay Area
The Big Secret

All people like to have their work appreciated

-- G. Weinberg
DeMarco's Principle

Effort moves toward whatever is measured

-- G. Weinberg
Familiarity

Familiarity is always more powerful than comfort.

-- Virginia Satir
The Zeroth Law of Quality

If you don't care about quality, you can meet any other requirement.

-- G. Weinberg
First Law of Programming

Lowering quality lengthens development time

-- G. Weinberg
The First Principle of Programming

The best way to deal with errors is not to make them in the first place.

-- G. Weinberg
Crosby's Economics of Quality

It is always cheaper to do the job right the first time.

-- G. Weinberg
The Harder Law

Once you eliminate your number one problem, you promote number two

-- G. Weinberg
The Rule of Three

If you can not think of three things that might go wrong with your plans (or software design),
there is something wrong with your thinking

-- G. Weinberg
Brooke's Model

Lack of calendar time has forced more failing software projects to face the reality of their failure than all other reasons combined

-- G. Weinberg
The Helpful Model

No matter how it looks, everyone is trying to be helpful.

-- G. Weinberg
The Controller Dilemma

The controller of a well-regulated system may not seem to be working hard.

-- G. Weinberg
The Controller Fallacy

If the controller isn't busy, it's not doing a good job. If the controller is very busy, it must be a good controller.

-- G. Weinberg
Manager's Not Available

Busy managers mean bad management.

-- G. Weinberg
First Law of Bad Management

When something isn't working,
do more of it

-- G. Weinberg