



# Internship Experience @ Google

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# Agenda

- Interview
  - Process
  - Time arrangement
  - Preparation
- On Broad
- Photos of Google Beijing

# Google's Intern Interview

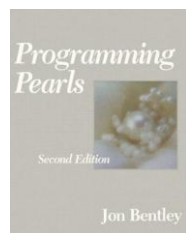
- Two Rounds
  - 2-3 programming questions
  - 2-3 research questions + 1 programming question + 1 IQ question
- Interviewers
  - Senior Engineer or Research Engineer

# Time Arrangement

- Confirm the Date and Time with HR
  - Several days after phone call
  - Make use of weekend
- Interview Duration
  - About 45 minutes
- Morning or Afternoon?

# Programming Questions

- Topics
  - Data structure: String, Array, Tree, List, Table, Stack, etc.
  - Algorithm: Sorting and Searching, Recursion, Divide and Conquer, Dynamic Programming, etc.
  - Large-scale problems
- Preparation



google interview questions

Google Search

I'm Feeling Lucky

# Examples

- Convert a string variable to a double variable
- Find the maximum element  $C$  in an array  $S$ , which satisfies  $C=A+B$ . Both  $A$  and  $B$  are elements of  $S$ .

# Tips

- Practice on white board
- Give the ordinary solution first and then move to the better version
- Keep talking with the interviewer
- Use pseudo-code if possible

# Research Questions

- Topics
  - Your papers
  - Your research areas
- Preparation
  - Be familiar with your publication list
- Examples
  - How did you solve the \*\* problem in your paper?
  - How to deal with large-scale data?



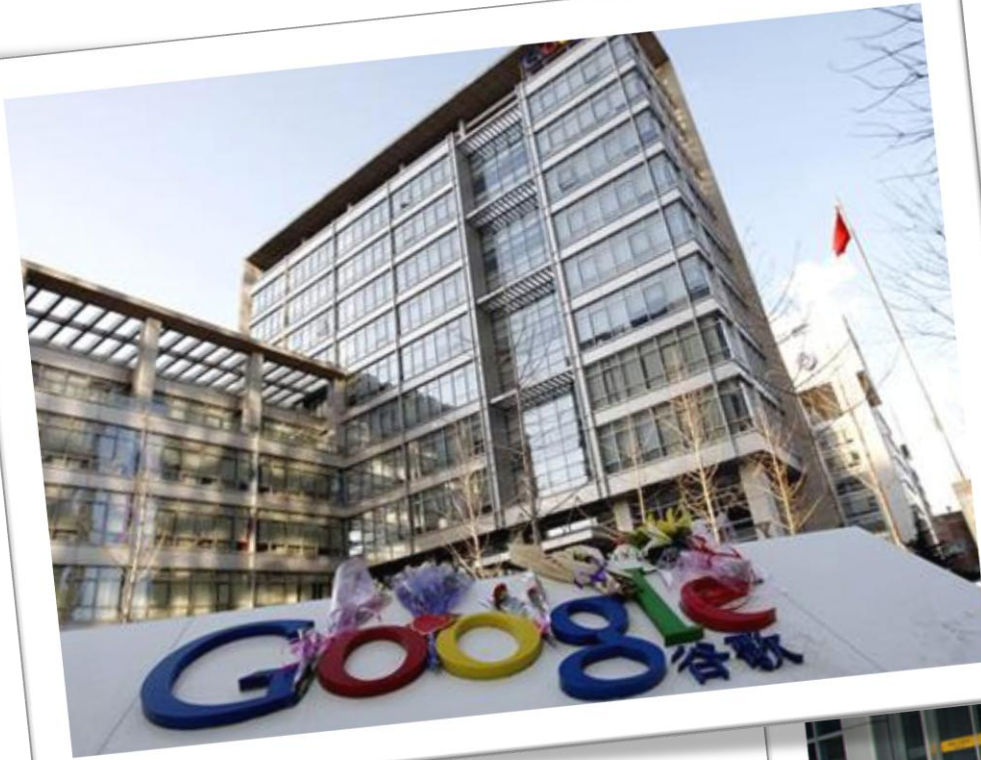
# IQ Questions

- Topics
  - Open-domain
- Preparation
  - Searching popular IQ questions on the Web
- Examples
  - What's the least number of games to find the top 3 fastest horses among 25 using 5 racing tracks? No timer is given.
  - What's the minimum steps to find the bad apple from  $N$  apples with a balance?

# On Broad

- You are free, but...
- Talk with your mentor ASAP
- Weekly meeting and weekly report
- Work as hard as you are at school
  - Reading
  - Discussing
  - Searching
  - Writing

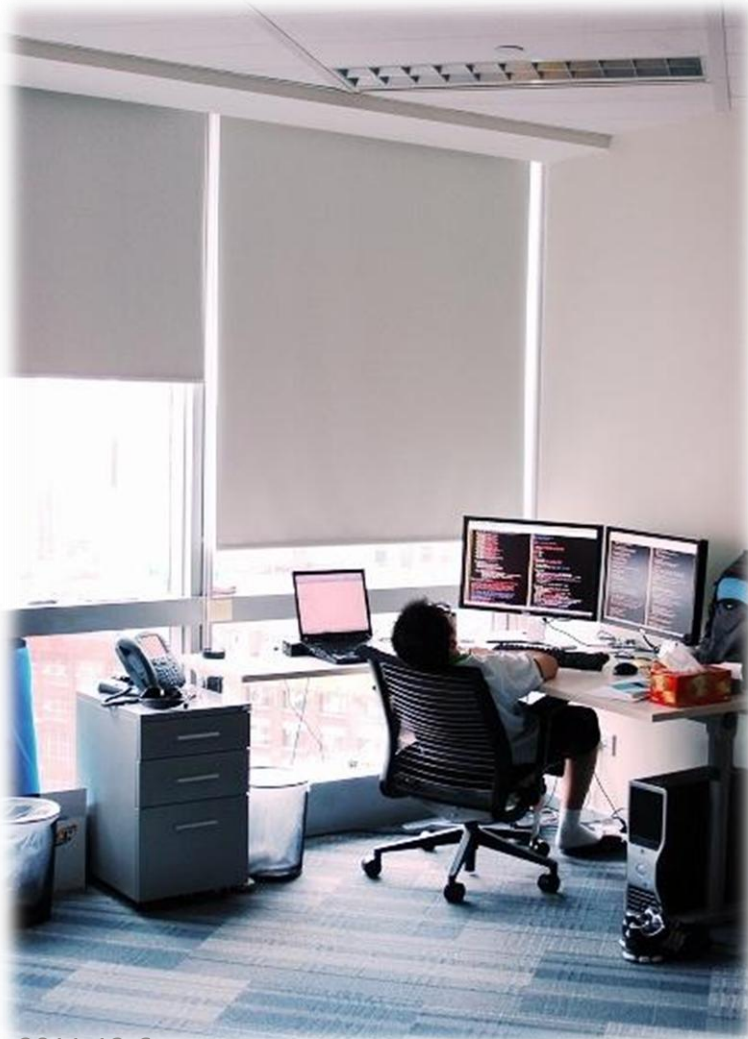
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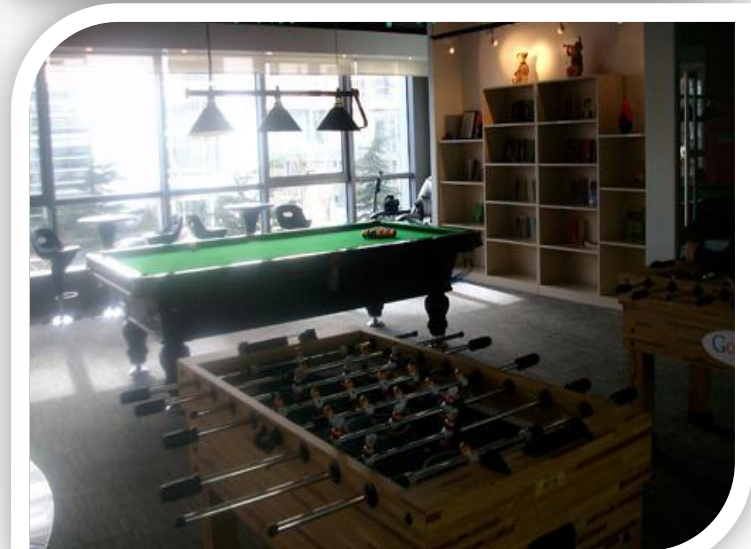
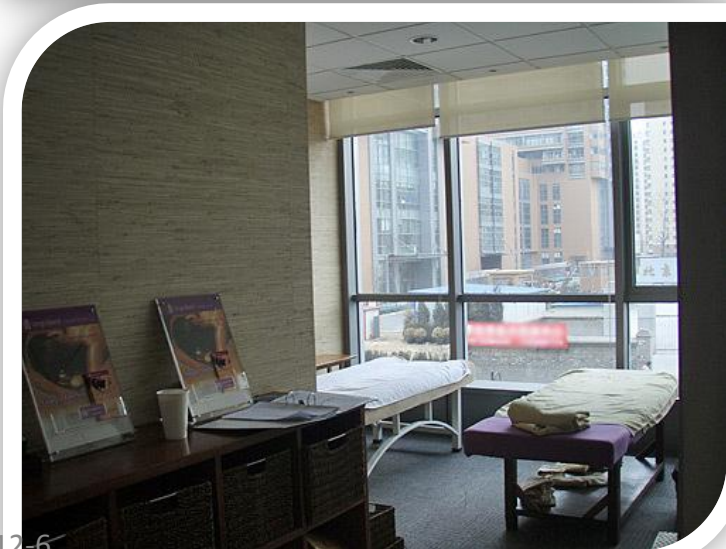
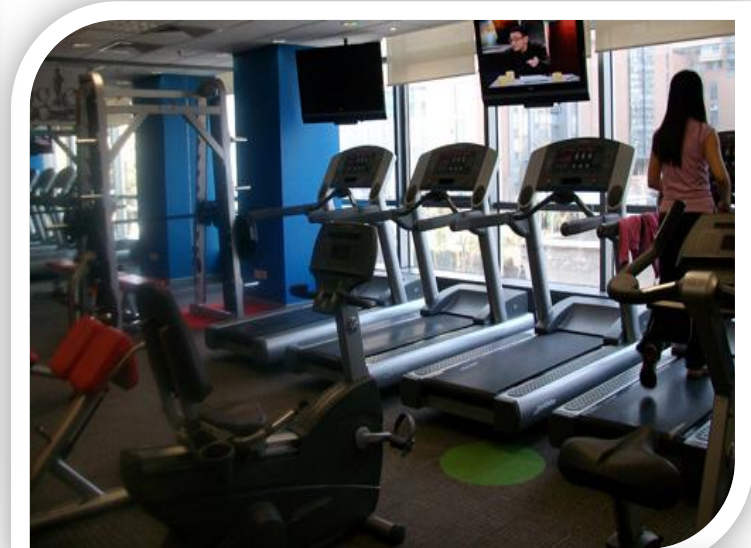


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