非算法面试题汇总

Part 1: CS Foundation
1. 线程 vs 进程(Yelp)　　11/2015
2. 补码/反码(Yelp)　　11/2015
3. 内存、硬盘、闪存(Uber)　　10/2015
4. 并行/并发(Uber)　　10/2015
5. 死锁(Centrify)　　12/2015
6. 虚拟内存(LinkedIn)　　11/2015
7. TCP/IP 三次握手(IBM)　　10/2015
8. TCP 和 UDP 区别(LinkedIn)　　11/2015
9. 一个百万级别用户量的 WebService 网页加载速度太慢，原因是什么(LinkedIn)　　11/2015
10. 输入 www.google.com 会发生什么

Part 2: System Design
1. What's app(Uber)　　10/2015
2. Monitor System(LinkedIn: Tools_Team)　　11/2015
3. Amazon Production Page(LinkedIn) 11/2015
4. Uber(Uber)　　10/2015
5. Uber'GeoLocation(Uber)
6. Messenger(Uber)
7. Twitter(Asana)
8. RPC(Google)
9. Chrome(Google)　　12/2015

Part 3: OOD
1. Parking Lot
2. Black Jack
3. Blocking Queue(Centrify)　　12/2015
4. Notification Center(Uber/Shopkick) including coding
5. CVS Parser(Uber) including coding

Part 4: Living Coding
1. (Mobile) Download/Parse JSON -> Show Image and Text in ListView(Linkedin/Coursera)
2. File I/O System: Read files from formatted inputs and design an iterator as output (Uber) 10/2015

Part 5: Offline Assignment
1. similar to Download/Parse JSON -> Show Image and Text in ListView/GridView + ConfigurationChange, Async Image Loading, HTTP request/response performance (TripAdvisor/Flickr - 1 hour coding) - experienced Android position

2. Parse JSON raw data from Rotten Tomatoes, store into a local database, then design 3 RESTful APIs to answer queries(Beep.com)   11/2015
3. check 一个 robot 是否能 reach target。输入是一个文件，文件内容相当于一个二维矩阵，"." 表示空；"O"表示障碍物，robot 不能越过；"T"表示 target.(TripAdvisor) 10/2015

Part 6: Others
1. MapReduce 实现 N-Gram(Beepi.com)   11/2015
2. MapReduce 如何应用