

# 面对科研型面试的指导教程

By Yuhao GGU

## 1. 梳理自己研究经历

做一个英文的 PPT，详细地叙述你的几个 project，格式是英文会议的格式。

第一页：Research Summary of XXXX (你的名字)

第二页：Outline，列出你的几个 research/intern project 经历

第三页-第 N 页：

每个 project 5-6 slides，其中每个 project 的第一页 background/motivation，第二三四页具体内容，第五页 conclusion 和你学到的东东。

注意：这里放几个 project 的顺序不一定需要按照时间顺序。一般把和教授研究领域最接近、自己做得最扎实的项目放在前面。因为面试的时候，教授很可能不会和你 go through 整个的 slides，而是让你自己选择或者他来选某个项目让你详细介绍。对于这种情况，把最相关或者自己做得最好的放在最前面。

在面试前练好英文 present 这一份 PPT。包括两个方面：1. 从头到尾 present 一遍大概时间 20 分钟左右；2. 思考教授可能提出的所有细节性的问题。

Present 的时候特别注意：

1. 翻页时要说 “pls turn to next slide/slide ##”。
2. 每翻过一页要先给一个这一页的 overall introduction.
3. 不要照念文字。
4. 有 Figure 要进去说：this figure shows the dependence of A on B... The solid line represents... The dashed line shows... By comparing these..., it can be seen that...

然后面试前一天或者两天发给教授。

这个方法可以帮助你解决以下几个问题：

- a. 英文面试的口语。有了 PPT，话题都掌握在你手里，并且都是你事先演练过的，有所准备。
- b. 教授提问。有了这一份 PPT，教授的主要问题会集中在你做的科研之中，大部分都是你做研究的一些细节。毕竟范围可控，你也比较熟悉。
- c. Impress 到教授。一般人没有做，是直接讲，电话/skype 里面尤其不清楚。你做一份 PPT，给教授展示，教授对照着 ppt 听你讲，清楚，也比较容易 impress 到教授。

## 2. 复习基础知识

看一下教授的研究领域对应的基础知识领域和他教过的课程，回顾一下这些领域的知识内容。有些教授喜欢问两三个问题，以考察对基本概念的理解为主，范围一般都是他的研究或者他教过的课程。

**3. 看教授的研究内容，准备 3 个问题和 1-2 个 idea。把这些问题和 idea 放在 research summary 最后一两页，title 可以是 questions to ask 之类的。**

**4. 准备一个完整的 career plan 的 story。**包括你希望毕业以后做什么职业，职业对应的内容是什么。建议说自己以后想做 faculty，然后要能说出自己想在哪领域做 faculty，以及选择这个领域的两三个原因以及自己在 PhD 阶段的大体计划。

**5. 准备一个完整的个人介绍（2-3 分钟版本，往往会出现在 skype 面试的开头）**包括你是谁、学校。然后分说介绍自己的几个亮点（比如课程、比如科研、比如 publication）。然后总结对教授和学校很感兴趣。

**关于具体的 behavior 和细节，以下有 10 个 tips。（最后一个是针对 face-to-face 面试）（科研型面试教授一般不是太遵循 business 面试的方式，所以以下的 10 个 tips 看看就行，作为参考，不用完全遵守）**

#### **10 tips on Skype Interview:**

##### 10 tips on interview

1. ALWAYS present yourself in a confident manner. Look straight into the camera (or the interviewer's eyes) as you speak, talk in a moderately loud voice, and sit up straight. DON'T speak too loudly or fast in an attempt to seem confident. "Quietly confident," or "confident but humble," should be your motto.

2. NEVER criticize yourself during an interview. Don't say something like, "my grades were pretty good"; say instead, "my academic performance was excellent." You CAN admit to a weakness if the interviewer specifically asks you to talk about your weaknesses. One weakness is sufficient.

3. NEVER bring up personal matters like romance or financial troubles. If you must bring up finances, don't mention the exact amount.

4. When the interviewer asks why you want to go to a particular university, ALWAYS give some reasons that are specific to that university. Don't simply say things that can be applied to any program in your field.

5. ALWAYS make sure you understood a question before you answer it. If you didn't understand completely, simply ask the interviewer to repeat her/himself. You can say, "I just want to make sure I understood. Could you please repeat the question?"

6. ALWAYS be prepared to be challenged by the interviewer. If there is a weakness in your resume (your major is not related to your program, your GRE score is low), remember that addressing the problem directly can help you to turn it into a strength.

7. ALWAYS make sure that there is a main point to your answer. For example, if the interviewer asks why you should be admitted to a program, first talk about your main strength, then give supporting examples. Don't simply give a list of your various strengths. It is okay for your answer to have several parts, but don't exceed three different parts.

8. ALWAYS research the school to which you are interviewing. The more details you know about the school, the better. For instance, you should be able to name some specific courses or professors in your program.

9. ALWAYS have at least four questions prepared to ask the interviewer. Your goal is to give an interview that is so pleasant that the interviewer doesn't even realize how much time has passed. By asking questions, you can prolong the interview. Don't ask questions that challenge the quality of the program. For instance, don't ask whether graduates are able to find good positions.

10. ALWAYS dress in neat, business casual clothing. This means a button-down shirt or a V-neck sweater. Women can also wear a formal-looking top, as long as it is not low-cut. Those with long hair should tie it back. Contact lenses are preferable to glasses, so the interviewer can see your eyes.