Today's employment situation for college students can be described as very severe and not optimistic, especially for us computer science majors. In the face of such a situation, how should we respond?

I will share my insights from four aspects: development direction, industry status, job hunting, and my personal reflections.

As college students, we will soon face an important turning point in personal development. What choices will you make during this critical period? Pursuing a postgraduate degree, taking the postgraduate entrance exam, working, or taking the civil service exam?

If you choose to pursue a postgraduate degree, securing a recommendation for a postgraduate program requires persistent effort from your freshman to junior year, while most people start preparing for the postgraduate entrance exam in their junior year.

Here is the proportion of our school's students pursuing postgraduate studies over the past few years. Note that this includes both those who secure a recommendation and those who pass the entrance exam. As for taking the civil service exam, different people will have different plans.

Next, I will discuss the issues related to job hunting in the field of computer science based on my current understanding.

Firstly, let's talk about the current state of the industry.

The following two pictures are from our school's career fair.

Now, let's analyze our major using the SWOT method. Strengths: you will have a digital future, stronger logical thinking and problem-solving abilities, as well as broader career choices and development opportunities; Weaknesses: compared to other industries, you may have a relatively shorter career lifespan. You may also face more physical issues, such as vision, cervical spine, and lumbar spine problems. Opportunities: exposure to cutting-edge technology, more opportunities compared to other industries; Threats: the rapid development of artificial intelligence poses a certain impact on the industry.

So, what is the current state of the industry really like? Let's look at some views online. Is the computer science major, as people say, an easy graduation with a salary of 300-500K, where a second-tier university computer science degree is worth more than a 985 liberal arts degree? Or is it that nowadays, graduation means unemployment, with an employment rate of less than 20%?

Let's also look at some of the commonly used job-hunting apps. You can hardly find any positive comments; the view conveyed by everyone almost seems to be that the computer science major is no longer viable. But is this really the case?

Let's take a closer look at what exactly the field of computer science entails and what kind of jobs we can find.

First, let's examine the employment rate and starting salaries for graduates from our school in recent years. Note that this is data from our school, and its reference value is limited!

You may have heard these terms: development, research and development, testing, and operations.

Let's look at the main jobs undergraduates are engaged in: front-end development, back-end development, testing, operations, as well as some other areas.

Given that undergraduates mainly work in development, let's focus on front-end and back-end development jobs.

Front-end development is a type of computer programming, which mainly focuses on the interaction and experience of users in web pages or applications.It involves the layout, color, font and animation of the page, and how to deal with the user's input and feedback.Generally speaking, the front-end developer's job is to integrate the designer's design scheme with the back-end developer's data interface, so that users can see and use that part of the product, which is called the client.

Back-end development refers to the development work carried out on the server, which supports the running of front-end applications or websites. The back end is usually responsible for handling core functions such as database operation, server logic, authentication and authorization.

The main tasks of back-end development include:

1. Database management: create, read, update and delete data (these operations are usually called CRUD operations).

2. Server programming: Write codes that can handle user requests, handle business logic and interact with the database.

3.API (Application Programming Interface) development: Create an API to enable front-end applications to communicate with back-end data and logic.

4. Management of the server, network and hosting environment: ensure the normal operation of the application on the server, and deal with the configuration and security issues related to the network.

Finally, I would like to talk about my thoughts based on my personal learning situation.

First and foremost, do not be overly anxious.Anxiety is meaningless and only wastes time; maintaining a moderate level of tension is sufficient.Second, pay attention to the time and efficiency of your study, aiming for at least three hours of continuous high-efficiency learning daily.Third, learn to think rationally.One must have their own judgment and thoughts.Do not blindly trust what others say, nor should you be impervious to any advice.Make bold hypotheses and verify them carefully.Fourth, find the path that suits you。There are many career directions; there's no need to obsess over which one to take.At the very least, find a direction that you can commit to learning. Finally, empty talk leads nations astray, while hard work rejuvenates the country.Take things seriously and persist in doing so.If despite your best efforts, you haven't achieved the desired results, let it go; it's no longer your concern.But remember, this is under the premise that you have truly done your best.

If you have listened to my speech attentively, you would understand that I did not provide specific methods on how to find a job because I believe there's no need to do so.I mainly outlined the current state of the industry and shared some of my personal experiences during the job search process.If you can truly achieve these last five points I mentioned, I believe by then you will have the capability to embark on your career path.I wish everyone finds the path that's right for them.

Thank you for listening.