1. 最喜欢的课程:

During my undergraduate studies, my favorite course was machine learning. It attracts me because it provides a framework to understand how we can teach computers to learn from data and make decisions without being explicitly programmed. Exploring various algorithms and techniques to extract meaningful insights from data was both stimulating and rewarding. Overall, the course not only honed my analytical skills but also sparked my passion for leveraging data-driven approaches to tackle real-world challenges.

2. 印象最深刻的课程内容 / 机器学习里面印象最深刻的内容

Neural network was the most impressive for me because it mimics the human brain's structure and functioning, allowing computers to learn complex patterns from data. In the case of multilayer perceptrons, I was attracted by how they consist of interconnected layers of nodes, each layer processing information and passing it to the next layer. This architecture enables MLPs to learn intricate relationships. The parameters of MLP can be learned through a process called backpropagation, where errors are propagated backward through the network to update the connection weights between nodes.

So that's my answer to this question.

3. 未来想研究什么方向？ **What is your plan in the postgraduate study?**

In the future, I intend to dive into the research in the fields of computer vision, mutimodal learning and so on. I expect to engage in cutting-edge research projects under the guidance of my supervisor and publish high-level papers.

I hope to be a master student of xxx, undertake and try to organize certain scientific research projects, and make more academic achievements.

4. 介绍一下你的科研项目

Well, thank you for your question.

This project focuses on the challenges encountered in xxx.

By reading related works , we analyze the five major problems that exist in most methods.

1. xxx
2. xxx

Our approach will address these issues one by one. We explore xxx.

As the first author, I xxx.

5. 一分钟介绍项目：

（准备一个项目介绍的缩减版）

6. What do you think of doing scientific research?

First, we must have a large amount of knowledge reserve, in order to use the existing knowledge to solve the problem. Second, we must work hard and read a lot of paper. Finally, we must have a sense of innovation, in order to do valuable research.

7. 你看过哪些专业书/介绍一本你看过的专业书/介绍一本你喜欢看的书

《Dive into deep learning》

The book covers a wide range of topics, the authors provide clear explanations of complex concepts along with code examples and exercises using popular deep learning frameworks. This hands-on approach allows me to not only understand theoretical concepts but also gain practical experience in building and training deep learning models.

8. Introduce your howntown

My hometown is xxx in xxx province. xxx locates in the xxx of China, it is a beautiful city with a long history and vibrant culture. xxx has over xxx years of history, once serving as a political, economic and cultural hub in the xxx region.

Today, xxx serves as a major industrial and commercial center, famous for its xxx. It is home to numerous globally recognized companies and brands, such as xxx.

xxx is also a captivating tourist destination. Famous for its xxx. Welcome to xxx.

9. Hobby

Long-distance running is one of my hobbies. It's not just about keeping fit; it's a passion that allows me to challenge myself both mentally and physically. I feel something truly liberating about the rhythm of each stride and the steady progression towards a goal. Running provides me with a sense of freedom and empowerment, cultivates the spirit of perseverance. Overall, long-distance running is more than just a hobby; it's a lifestyle that brings me joy, fulfillment, and a sense of purpose.

10. 你为什么报考这所学校 **Why do you choose to study at our school?**

First, xxx is a remarkable school, the teachers are excellent and have a lot of scientific achievements. I'm deeply attracted by the academic atmosphere in this school, studying in xxx can improve my academic background and personal ability. Second, location is another critical factor promoting my decision, xxx is a good city for living and doing research.

11. 优点

1. Diligent : I keep working hard in my study and academic research and strive for excellence.

2. Strong self-learning abilities: I have actively engaged in scientific research projects and keep learning state-of the art methods by myself.

3. Leadership skills: I have experience leading teams and projects, as evidenced by my role as a team leader in competitions and as an instructor for Grade 1 students.

4. Adaptability: I am adept at adjusting to new environments and challenges, which allows me to quickly integrate into different teams and situations.

12. 缺点

1. Public speaking skills: I lack confidence when speaking to the public. Although I have presented my research findings at academic report in April, I continue to work on improving my public speaking skills to communicate more confidently and effectively.

2. Perfectionism: At times, my pursuit of perfection may lead to spending excessive time on

tasks or being overly critical of myself and others.

3. Sometimes impatience: When tasks move slowly, I want to rush these things, which often leads to bad results. To this end, I am trying to cultivate my patience and ability to cope with challenges.

13. 个人性格特点

I would describe myself as a determined individual and always strive for excellence. I'm someone who is always eager to take on new challenges and work hard to achieve my goals. I believe in maintaining a positive attitude and fostering strong relationships with those around me. I'm also known for being organized and reliable, as I like to plan ahead and ensure that tasks are completed efficiently. Additionally, I'm open-minded and enjoy collaborating with others, as I believe that diverse perspectives lead to innovative solutions. That's all I can think of right now.

14. 介绍家庭

My family is very warm and harmonious , there are xxx people in my family , When I was young, my father often ran with me, which formed my habit of running. My mother often pushed me to study. I get along with my parents as friends, we often share our lives and interesting things. Living in such a family, I developed an optimistic attitude towards life.

15. 介绍你的学校

Southeast University is a top-tier university in China, it's one of the universities designated as part of the "Project 985" and "Project 211". In 2017, it was listed as a Class A university in the construction of first-class universities. Known for its strength in engineering disciplines, Southeast University boasts five disciplines that received an A+ rating in the four-round discipline evaluation, and my major in computer science ranks among the top one-thousandth worldwide according to ESI. The university motto "Strive for Excellence" constantly motivates me to pursue excellence and make more achievements.

16. 科研经历介绍

I actively participated in scientific research and training projects. In the first semester of my sophomore year, I participated in a national college student innovation project as a core member. This project focuses on the challenges encountered in xxx, and proposes xxx solution to the problem of xxx. I was mainly responsible for xxx. As the first author, I xxx.

…

17. **What do you expect to achieve during your study if you are enrolled into this institute?**

If I am enrolled into this institute, I intend to deepen my knowledge in AI, focusing on advanced topics like deep learning and multimodal learning. I hope to engage in cutting-edge research projects under the guidance of my supervisor and publish high-level papers. Additionally, I plan to develop strong problem-solving skills and self-learning abilities. Overall, my objective is to become a proficient and innovative researcher in the field of AI.

18. **Do you have a career plan in 5 years?**

Yes, I have a clear five-year career plan. Initially, I plan to complete my postgraduate studies,

focusing on computer vision and machine learning, and publish high-level research papers. After graduation, I plan to work as a research scientist or engineer in either academia or industry, applying my knowledge to solve real-world problems. Futhermore, I aspire to take on leadership roles, contributing to advancements in AI.

19. **Tell me something about your undergraduate life.**

（像第16点一样描述科研经历）

In my spare time, I like running for a long distance, it's a lifestyle that brings me joy, fulfillment, and a sense of purpose. In terms of the student work, I served as the instructor of the Grade 1 students of Computer Science major and the vice monitor of the AI major.

Overall, my undergraduate life was fulfilling and meaningful.

20. **What has been your greatest success/ accomplishment in campus life?**

The greatest success I think is the scientific research and training projects that I participated in the first semester of my sophomore year. I began to learn about research topics in the field of AI and developed a strong interest in scientific research. I devoted myself to it, and have gained a lot of professional knowledge and practical experience in doing AI research. Most importantly, I fostered a strong self-learning ability. Through my efforts, I have substantial achievements.
… （描述项目取得的成果）

21. 从研究经历中收获了什么

I participated in the scientific research and training projects in the first semester of my sophomore year. I began to learn about research topics in the field of AI and developed a strong interest in scientific research. I devoted myself to it, and have gained a lot of professional knowledge and practical experience in doing AI research. Most importantly, I fostered a strong self-learning ability. Through my efforts, I have substantial achievements.
… （描述项目取得的成果）

22. 竞赛相关

… （描述自己参与的学科竞赛，负责的内容，获得的奖项）

23. **What professional paper have you read before? What's the main idea of this text.**

One of the professional papers I have read is "Attention Is All You Need". The main idea of this paper is to introduce a novel network architecture called the Transformer, which relies entirely on the attention mechanism to draw global dependencies. This approach eliminates the need for recurrent and convolutional layers. The Transformer architecture not only achieved state-of-the-art performance on tasks in NLP such as machine translation but also influenced subsequent research in other areas, including computer vision, through the development of attention-based models like Vision Transformers.

24. **Tell me something about Nanjing.**

Nanjing locates in the east of China, it is a beautiful city with a long history and vibrant culture. Nanjing has over 2,000 years of history, once serving as a political, economic and cultural hub in

many dynasties.

Today, Nanjing serves as a major cultural and commercial center, famous for education and research. Nanjing university and Southeast University are two remarkable campus in Nanjing.

Nanjing is also a captivating tourist destination. Famous for its natural scenery, such as Xuanwu Lake and Qinhuai River.

25. **Who is your favorite basketball player? / idols**

My favorite basketball player is Kobe Bryant, I admire him because of his remarkable mentality. Kobe's "Mamba Mentality" is all about his relentless pursuit of excellence. He was always eager to take on new challenges and worked hard to achieve his goals, never gave up. He kept challenge himself both mentally and physically. His spirit of perseverance constantly motivates me to pursue excellent and make more achievements.

26. 遇到过最大的困难是什么 / 遇到过什么困难?

During my undergraduate studies, the biggest challenge I encountered was my experience in deploying the open-world object detection algorithm to the NVIDIA Jetson Nano edge computing device as the person in charge. Previously, I was only familiar with model training and inference on PCs, but edge computing devices have more limitations. Many dependencies couldn't be installed using integrated tools, requiring me to manually download and compile the source code. Additionally, I had to ensure the actual operational efficiency of the object detection model, to make the deployment successful. This project experience greatly improved my ability to read English technical documentation and debug.