*To*: [hr\_privacy\_office@apple.com](mailto:%20hr_privacy_office@apple.com)

*From*: [Michael.Xu@sjtu.edu.cn](mailto:Michael.Xu@sjtu.edu.cn)

***Subject Line***: Summer Computer Vision Engineering Internship Interest

Dear Apple HR:

My name is Michael and I'm a sophomore at SJTU studying Electronic and Computer Engineering. I was thrilled to see a Computer Vision Engineering internship opportunity offered this summer. I have a deep interest in developing machine learning algorithms, especially in the discipline of Computer Vision. Apple has already established a mature frame in this field and takes a leading role. Great applications like FaceID and FaceKit are well received by Apple users. In my understanding, Apple is a company where new ideas quickly become extraordinary products and great customer experience. Recently, the newly established LIDAR iPad sensor fascinated me a lot and inspire me to apply for this internship. I want to deepen my learning in Augmented Reality and learn how to turn a pure technology to a concrete application. Here I have some questions I am eager to know:

1. What will be the next step in developing and applying the LIDAR iPad technology?
2. How will Apple cope with the suspended supply chain due to the COVID-19 pandemic?
3. How often will Apple give training for her employees? And what is the form?

As an experienced algorithm developer, I am passionate about solving real-life hard problems. My relevant skill would be a good fit for this Computer Vision internship. First of all, I have the background knowledge of the Computer Vision Frame. In SJTU, I have participated a research project related to SLAM Technology (Simultaneous Localization and Mapping) which is very close to the LIDAR iPad Scanner Technology. In this project, I have built a YOLO neural network for a fast match of images in a video. This neural network can also be modified and applied in LIDAR Technology. Secondly, I am familiar with the macOS environment and iOS developing skills. Since this project is problem-oriented, our team has developed the App based on Swift and XCode. The App has been published on the App Store. Finally, I have excellent communication skills. This skill will help me adapt to Apple's environment well in a short time. Also, this is a critical skill for a developer team that enables me to learn fast.

I hope to have the opportunity to discuss with you about the Computer Vision Engineering Internship. Looking forward to your reply.

Sincerely,

Michael Xu