Research on School-enterprise Cooperation Training Model of Music Performance Professionals in Colleges and Universities Based on Repertoire Creation and Computer Multimedia Technology

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Abstract. Along with the development of Internet technology, computer has been deeply into people's life, the computer is gradually changing people's way of life to live in along with the development of Internet technology in the field of teaching. The traditional classroom model has been changed. The integration of music performance majors in colleges and universities into the Internet makes professional teaching more convenient and convenient making the spread of music performance more extensive. The life and study of naturalized citizens have been inseparable from the computer multimedia technology, we can see the importance of computers.

Keywords: Modern Computer Music Skills, Music Education, Music Performance, Piano Accompaniment

1. The preface in the modern society
The traditional pattern of classroom is no longer suited to the needs of the development of era, the computer multimedia course also gradually referred to the traditional mode of classroom, the traditional pattern of classroom teacher only blunt, but now the emerging multimedia course make traditional more rich interesting. As we all know, music education and music performance are inextricably linked with each other. Many course names of the two majors are the same, only because the final job position will be different, so there will be corresponding differences in the cultivation mode of talents and the cultivation specifications and positioning of the same course. With the development of classroom teaching methods in music education, the teaching contents and teaching methods of stage performance and performance courses have been upgraded. Its fundamental transformation should focus on the exchange of status and role between students and teachers or win-win. The most successful example is the integration of modern multimedia and computer music technology into the classroom teaching of music education and music performance core courses. In this way, the defects and deficiencies in the traditional teaching mode can be successfully avoided, and at the same time, it also greatly improves the strong interest and enthusiasm of the contemporary post-90s students. The updating and upgrading of teaching content in the classroom, the increasingly rich teaching content, the increasingly active teaching atmosphere, and the increase in the frequency of
interaction between teachers and students, all of which should be attributed to the successful connection of modern computer technology, its perfect connection with traditional music teaching [1].

![Advantages diagram]

**Figure 1.** Advantages.

2. **Deficiencies in the old music teaching**

Mode nowadays with the development of The Times people of aesthetic music and performances are changing, people now prefer to listen to some rock and pop songs, the traditional classical music is a lack of appreciation, this is the current situation of today's young people, people lack of the cognition to the elegant classical music, in order to foster strengths and circumvent weaknesses the traditional music teaching mode, which makes the students' comprehensive music skills and literacy to get the ascent of the whole, comprehensive and modern computer music technology into modern music education and music performance of professional skills, in the class becomes must and very urgent. After all, such a novel teaching method, different from the traditional old and boring classroom atmosphere, is welcomed by contemporary post-90s higher vocational college students. Therefore, as the core factor in the teaching subject, music teachers should first master and be familiar with the operation of computer music equipment, and be skilled in the use of computer music software, so as to easily use it in classroom teaching, auxiliary teaching. Of course, the premise is that the school installs professional computer music equipment, peripheral auxiliary equipment and professional music scoring software and audio editing software in the music skills class room [2].

3. **The irreplaceable role of piano accompaniment in the teaching of vocal music courses any course has its own core courses**

Music education and music performance is no exception, among which vocal music courses are the core of music courses. Today's artistic accompaniment is also varied, not only playing the melody as a foil, harmonic background. On the contrary, many artistic songs need accompaniment to highlight the roles and images expressed. The singer and the piano accompanist are complementary to each other. However, the traditional piano accompaniment requires the presence of both the singer and the piano accompanist in order to rehearse and gradually achieve a skilled effect. If you use Overture and Cool Edit audio editing software. The teacher may well combine the singer with the piano accompaniment teacher. Separation. Just accompany the piano part beforehand. Record in real time with Overture, correct any errors, and open the file with Cool Edit audio editing software (either WAV or MP3 format). And save it on your computer or download it directly to your phone [3]. You can use any commonly used music player software (such as: cool Me, Q music, etc.) open and play the accompaniment. In this way the singer can sing and practice and accompany whenever and wherever he wants. You can listen to the accompaniment anytime and anywhere, so as to save time, effort and
money, why not?

4. Cool edit frequency editing software plays an important role in piano accompaniment in vocal music class

Cool Edit audio editing software has a very powerful audio editing function. Here is a detailed explanation of the software's assistance to vocal music classroom teaching:

4.1. Modulation

In many music table isn't very good at improvisation, this is not what they are good at field, aiming at the status quo, has developed the traditional vocal music on the piano teacher in college career, but the reality is that every student accompaniment of the different tracks and the situation is different, and in order to cater to students in the class of timbre, each different, can only keep moving, it increases the vocal lessons on the piano teachers work stress and strength. At this moment, if the piano accompaniment teacher can record the accompaniment, the piano accompaniment teacher chooses a tonality improvisation with which he is most familiar and records it with overture. Or it can be played directly to the piano accompaniment of the sound, and recorded in real time, so that the score and sound are synchronized. Save the original file, use cool edit software transposing auxiliary function, save into F respectively. G. A callback. E different tonality version of the file, such as, the students sang the same song, no matter in view of the tenor and soprano, or bass, alto, sing any adjustable, accompaniment can easily switch, accurate [4].

4.2. Improve the accuracy of teachers' live accompaniment and realize the gradual progress of students' singing speed

There is a very real problem here. Piano accompaniment teachers' live accompaniment will often make some inevitable mistakes, which will greatly reduce the performance effect, and this artistic expression will also be affected. After all, to exert artistic expression, the first thing is to make the music notation accurate, while the accompaniment teacher makes human mistakes. Even a little bit will drag down the students' singing. Therefore, recording the accompaniment in real time with overture scoring software at the scene or before class, you can record people slowly at the beginning. If you are not skilled enough, you can use the speed of the original score when playing. Then playing different tonal versions of accompaniment in vocal music class greatly improves students' learning efficiency and reduces teachers' work intensity and pressure. Students can also sing slowly at the beginning, accelerate slowly after becoming proficient, which can be easily realized in cooledit software.

![Figure 2. Classroom scene.](www.GuitarChina.com)
4.3. Find the truest sound effect of big band accompaniment anytime and anywhere
In some large-scale performances, large bands are usually selected to perform together, but the cost of performance will increase greatly. Therefore, in order to save costs, many places can only practice piano accompaniment at ordinary times, but when walking on the spot, rehearsing or performing formally, the whole big band is used for accompaniment, so it is difficult to close the accompaniment quickly. However, if the band accompaniment can be recorded in real time in advance, even if it is just a demo sample, teachers and students can be familiar with the timbre of the band accompaniment, so as to better prepare for singing practice and performance. And piano accompaniment is only used when the big band is not present. With the audio editing software, you can accompany a big band anytime and anywhere. With proficiency over time, you can greatly improve the actual effect of the performance, and the cost and cost will not be higher than using piano accompaniment [5].

5. Conclusion
Through the above description, we have a deeper understanding of the computer multimedia music performance major. The combination of computer technology and traditional music courses makes music courses more lively and interesting, which increases a great way for the dissemination of music and performances. At the same time, the effect of class is greatly increased, which improves the efficiency of classroom communication. More content can be explained in a short time. The advantages of the traditional Mingyue course will continue to be preserved, and the advantages of the new era can also be brought into play. Combining modernity with tradition, classical beauty and modern beauty are seamlessly spliced. At the same time, for the game music course, the application of some brand-new sub-software is also very convenient for music editing and other operations. For music teachers, the amount of tasks in class is greatly reduced, and the pressure will be greatly reduced. Students can also use computer technology to combine courses with after-school exercises, which is very helpful for the improvement of music and performance ability [6].

Acknowledgement
Reform and Practice of Music Performance talent training in colleges and universities based on repertory creating (SJYT201910).

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