Project Year

2011-2012

Project Title

Computer Music Studio Walkthrough and Program Tutorial

Project Team

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Audience

Students enrolled in *Introduction to Computer Music* and others new to use of the Peabody studios.

Pedagogical Issue

One of the challenges in teaching the *Introduction to Computer Music* course is the lack of documentation for the use of the studios. While there are manuals for the hardware and software used, the underlying concepts required for professional studio use are not presented in an effective pedagogical manner. This is further complicated by the fact that the field of computer music is constantly changing as the technology evolves.

Solution

The solution is the development of online documentation and tutorials that are specific to the studios at Peabody yet applicable to any professional studio a student might encounter in their career. These resources will enable new users to explore the studios virtually when not on campus, get online help when they encounter difficulties in using the studios, and to have access to a resource for information specific to the Peabody Computer Music Studio.

Technologies Used

Audio/Signal Processing: Logic Pro / Ableton Live / Reason / Max5
Video Processing: Final Cut Pro / Sony Vegas / FRAPS
Primary Programming: Flash / JavaScript / HTML / Wwise / Python

Project Abstract

The goal is to develop documentation and tutorials that will educate both incoming and current undergraduate and graduate students in the fundamentals of studio work flow and practices. These resources will provide an online space through which students will be able to immerse themselves in an interactive educational learning environment, offering multiple media and content formats (including web-based video tutorials, FAQs, audio examples, and user driven forums). The center piece of this project will be an animated studio walkthrough requiring user interaction and providing a unique learning experience.

We will create an expansive library of interactive resources which students can access via the department's website, viewable by students within and outside of the Peabody community. The

concepts taught will be applicable to our department's facilities as well as providing the knowledge needed to work in any studio environment.

The website will reflect music technology's rapidly evolving nature by staying current with the latest products and techniques used by professionals in the field, thus will be updated as the studios change. It can also be expanded to meet the needs new students express when using our ever-expanding facilities. As the basics will be learned through the use of the online resource, faculty will be able to use classroom and lab time to cover more advanced topics.