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There are other inventions.

There's Shimon the robot percussionist, and a glove that teaches piano, and software that lets cellphone users compose, play, record and transmit their own music.

Tech researchers are also using their engineering skills to build better musical instruments, let audiences interact with musicians, and allow performers to control their own light shows with the notes they play.

In a studio on the Tech campus in Midtown Atlanta, Frank Clark, director of Tech's music department, recently demonstrated keyboard-driven images with changing colors, intensity and speed as he played the theme from "Sesame Street."

Controlling images and lighting as well as sound "really makes you think differently," Clark said. Sounding a bit like a paraphrase of the rock opera "Tommy," he added: "You can see. You can hear. You can feel what's in your head and heart, and share that with other people."

More than 20 Georgia Tech researchers from the arts, sciences and engineering are part of Tech's Center for Music Technology.

"Our goal is to build an international center for creative and technological research in music that will redefine the way we create, perform, listen to and consume music," said Weinberg, director and co-founder of the center.

"Very impressive," said Thomas Martin, a computer programming major at Griffin Tech, when he saw the demonstration at the Georgia Aquarium.

Oliver Van Parys, a guest services employee of the aquarium, raised another possibility — a home version of the fish music program.

"I would totally buy something like this," he told Tech researcher Carrie Bruce. "And if the music got boring, I'd get more exciting fish."

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