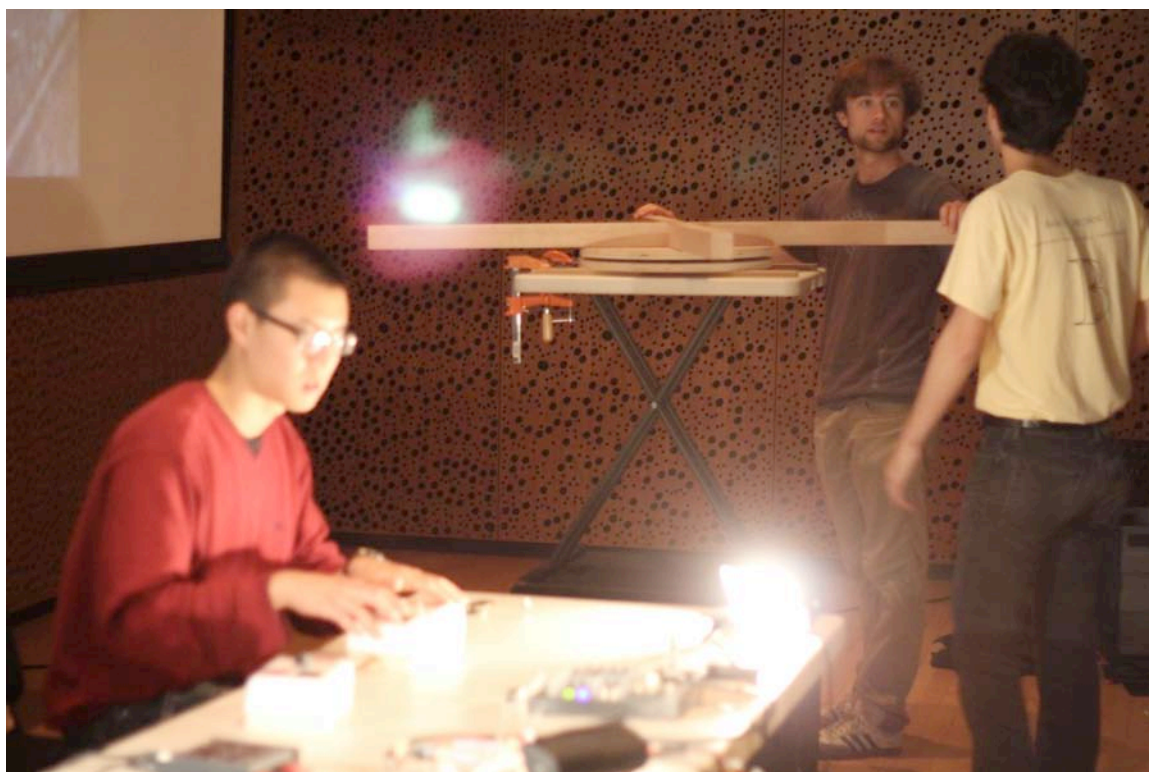


BROWN UNIVERSITY DEPARTMENT OF MUSIC
presents

MUSC1240F Final Concert

Circuit Bending + Hardware Hacking
as Musical + Artistic Expression

Led by John Robert Ferguson
Assisted by Akiko Hatakeyama



Monday, 16 December 2013, 8 pm
Grant Recital Hall Brown University

PROGRAM

• PART I •

JInku Kim

What is seen was not made out of what was visible

This is an audio-visual performance piece using a patchable modular controller handbuilt for this performance.

Benjamín R. Moreno

Tempexquititla (for [a]live electronics)

In 2002 I spent the summer working as a volunteer in a thousand household community in the Huasteca region of San Luis Potosi, Mexico. One of the fondest memories of this life changing experience was an evening I went with the local kids to hunt for crickets and fireflies in a nearby meadow. Using a couple of lamps I'll play a group of light reactive bristle-bots hooked to jumping speakers, square-wave generators and contact microphones.

Peter Bowden, Marissa Goldman, and Samuel Friedman

Edward Wrench Hands

Edward Wrench Hands is a collection of 2 sequencers mixed and combined using standard and no-input mixing techniques. The main sequencer produces sounds modulated by the resistance of the performers' bodies. A live video projection accompanies the sound to enhance the unique tactile interaction for the audience. The centerpiece step-sequencer utilizes changing resistances associated with touching a set of wrenches and metal-wrapped hands. The performers' bodies, then, interact with the creation of sound by both manipulating and generating the amplified tones. The mixer modulates the sounds from the sequencer with internal feedback for an increasingly complex tonal range.

• Break for Installations •

Woohun Joo

Three Toys

My final work consists of three low-tech toys. Toy No1 has two photocells in its eyes and generates sound when you connect it to toy No2 (No2 is a single speaker). Toy No3 has a 8X8 LED face detecting sound level from toy No2. So the signal process could be like this : No.1 - No.>2 -> No.3.

Sara Khan, Zack Korol-Gold, and Tristan Rodman

Shadow Screen

What do we see when we see ourselves? Sometimes it looks real—flesh, skin, the fine grain of wrinkles. Sometimes it looks like something else—an approximate, reflected digits, a hollow light.

Materials: 100 LEDs, 100 photocells, Arduino

David Lee, Jeff Fan, Lukas Bentel, and Henry MacConnel

Tower

A towering cage of resonating objects, struck by a spinning wire.

Luke Moldof

Vibrators

This installation uses transducers to turn a drum kit into a set of vibrating speaker objects. It draws inspiration from David Tudor's "Rainforest" series and Alvin Lucier's "Music for Solo Performer."

• PART II •

Claire Kwong

Contact

My limbs have been extended with contact microphones.

Jason Rabie

Beer Bottle Sequencer

A sequencer actuates 10 solenoids which play 10 beer bottles of different size. Enjoy!

Jose Guillermo Fernandez Liermann, Daniel Putnam, and Seth Thorn

Toxic Ocean

What is a thing?

Jose Guillermo Fernandez Liermann

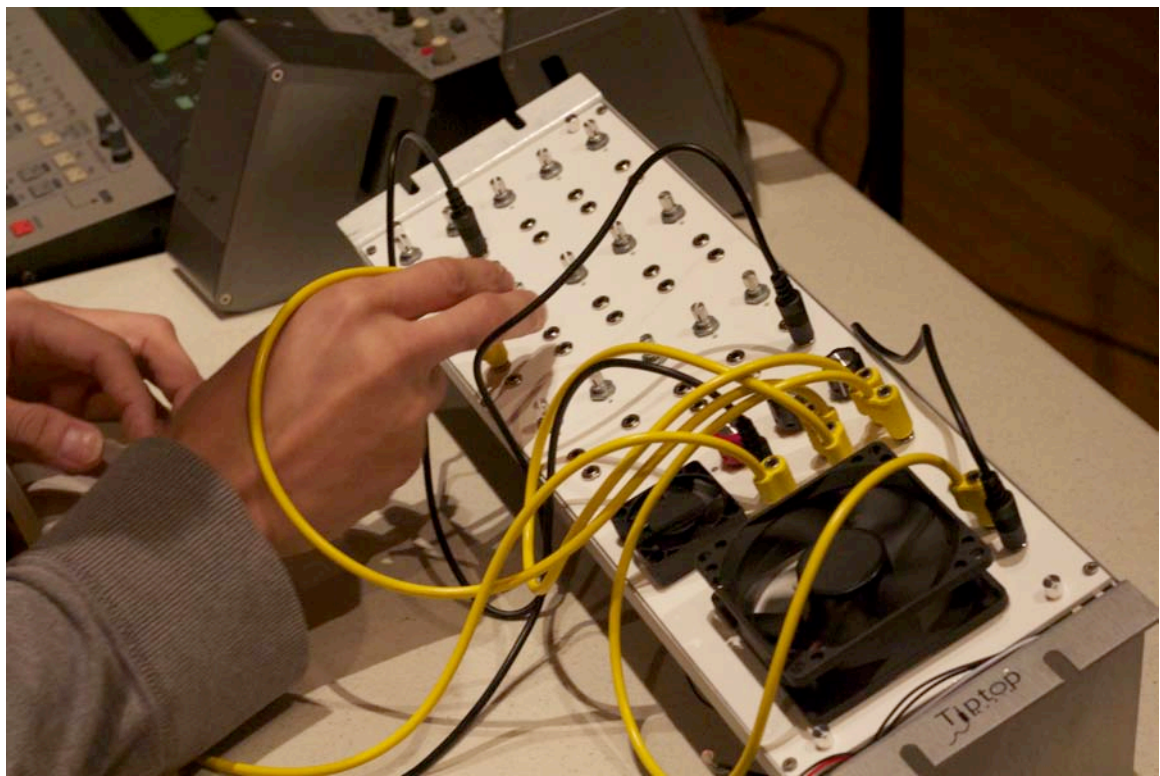
I am using a photosensitive hex schmidt based circuit with six frequency controls. I am also using a sequencer with tone, rate and gain controls connected into a delay pedal.

Daniel Putnam

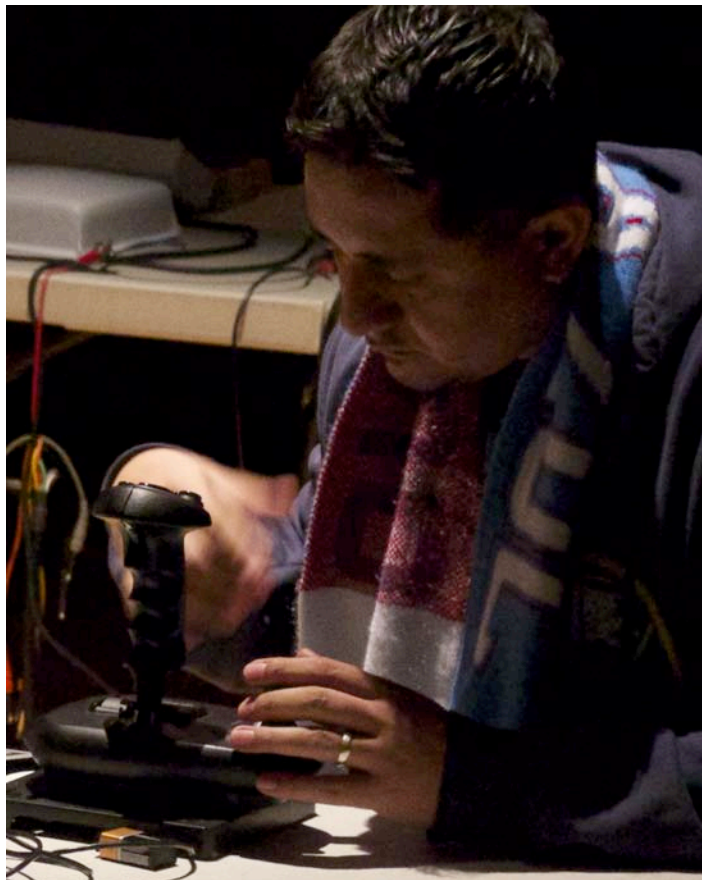
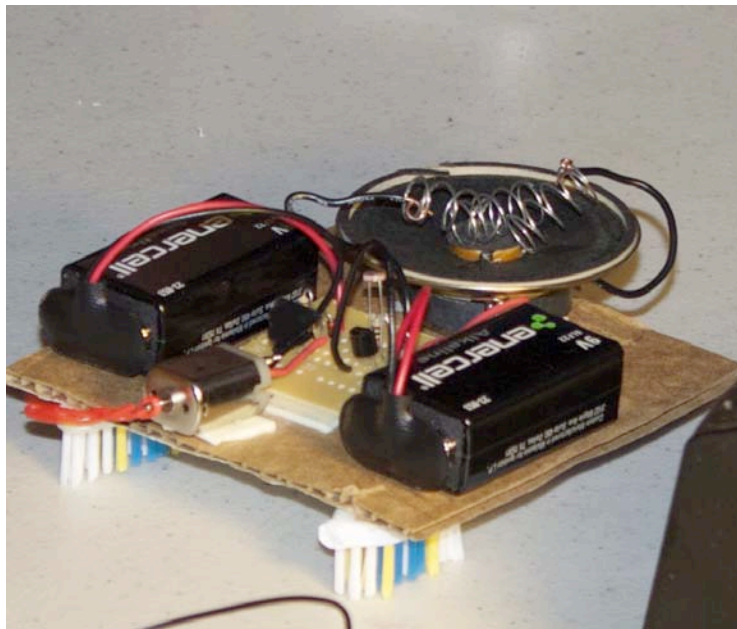
I'll be playing a hex schmitt circuit and a circuit bent keyboard along with no-input mixer stuff and bowed metal wires picked up by contact mics.

Seth Thorn

Touch-sensitive 10-step sequencer with hacked keyboard-matrix resistance control, LED tremolo circuit, germanium-diode hard-clipping distortion, echo mic spring monoverb, 4-channel passive matrix mixer, and circuit-bent toy guitar. Automated quadraphonic panning and looping via MaxMSP.



Jinku Kim



Benjamin Moreno



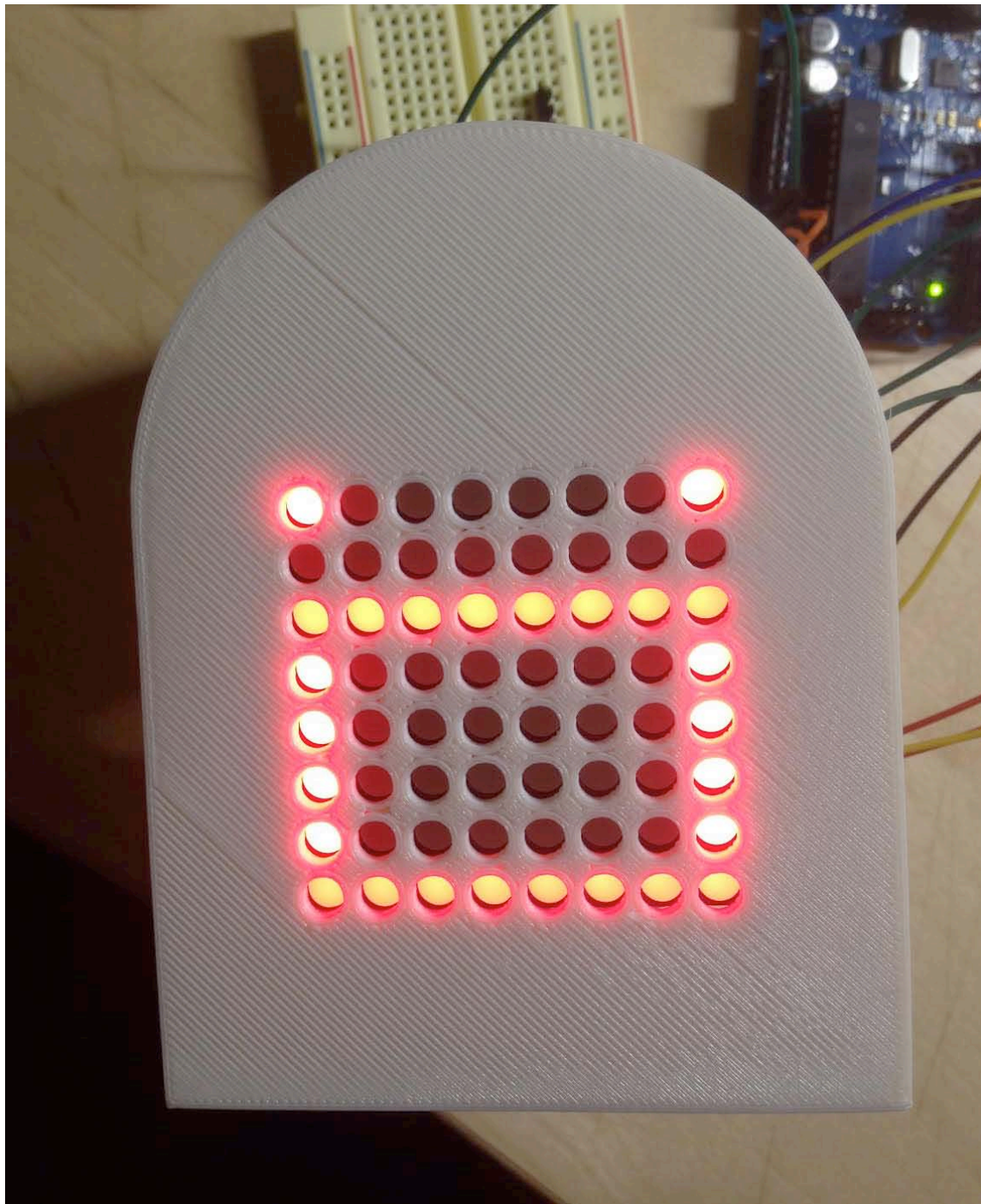
Peter Bowden, Marissa Goldman, Samuel Friedman



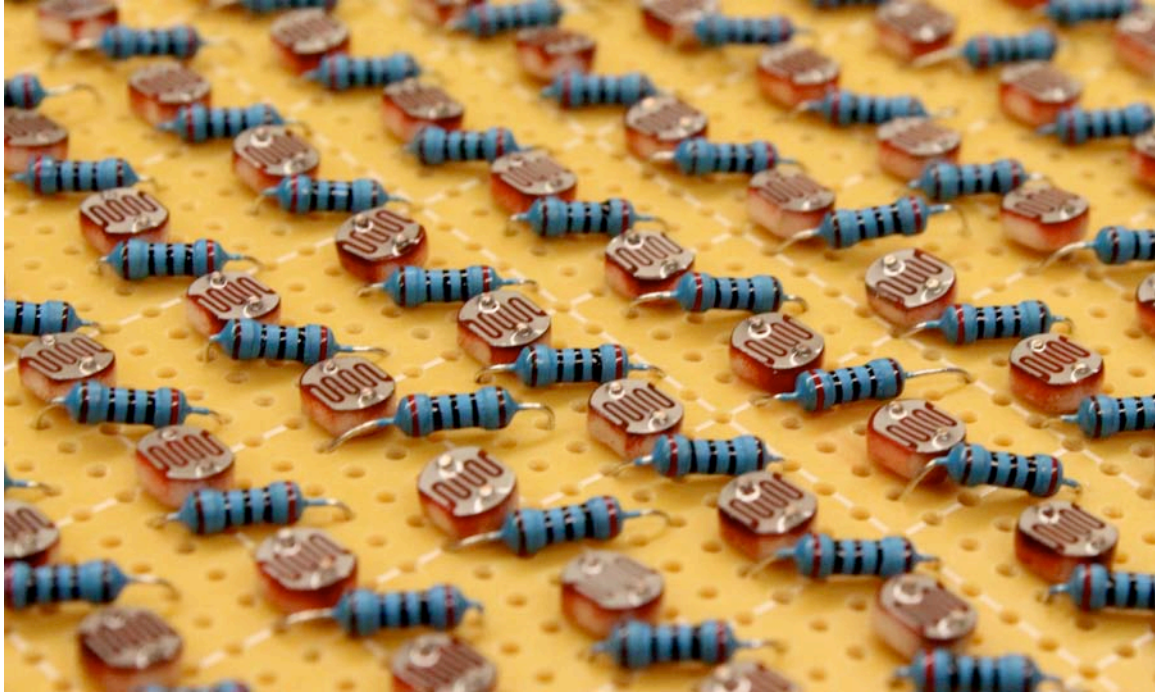
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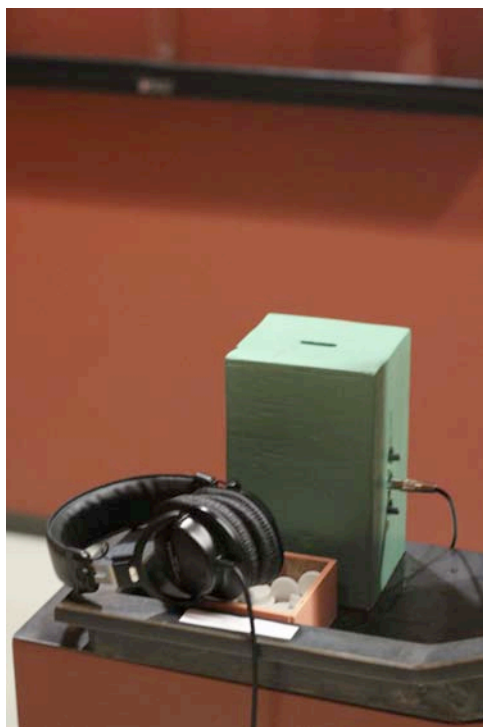
Woohun Joo



Woohun Joo



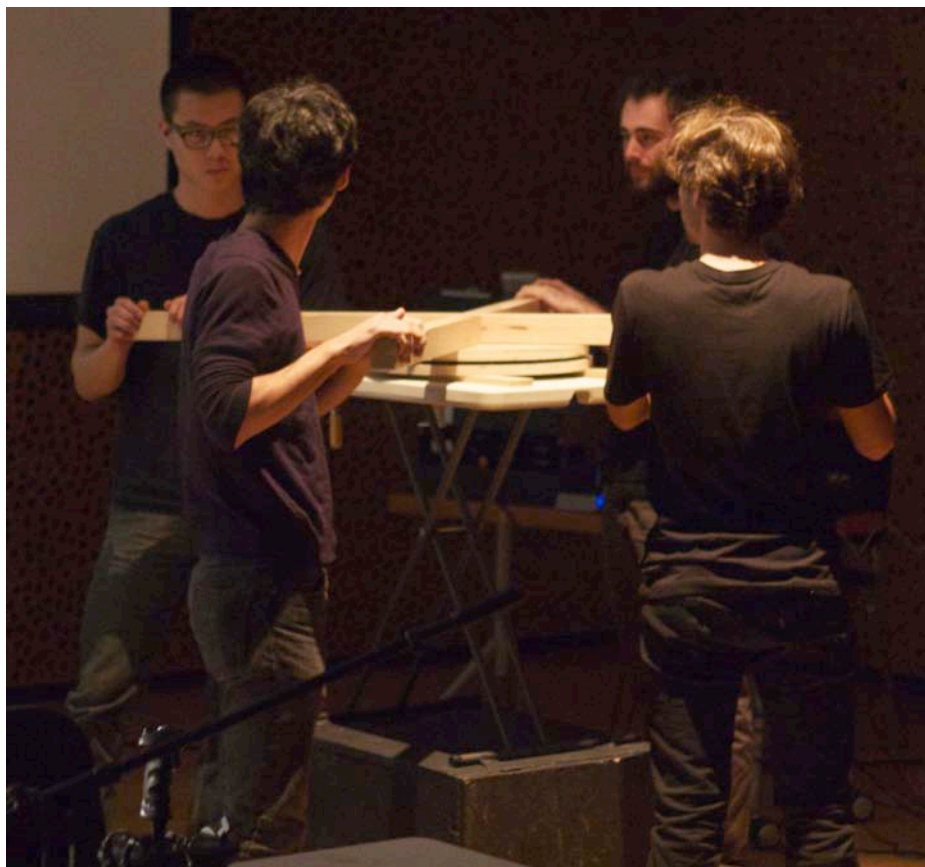
Sara Khan, Zack Korol-Gold, Tristan Rodman



Sara Khan



Zack Korol-Gold, Tristan Rodman



David Lee, Jeff Fan, Lukas Bentel, Henry MacConnel



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Luke Moldof



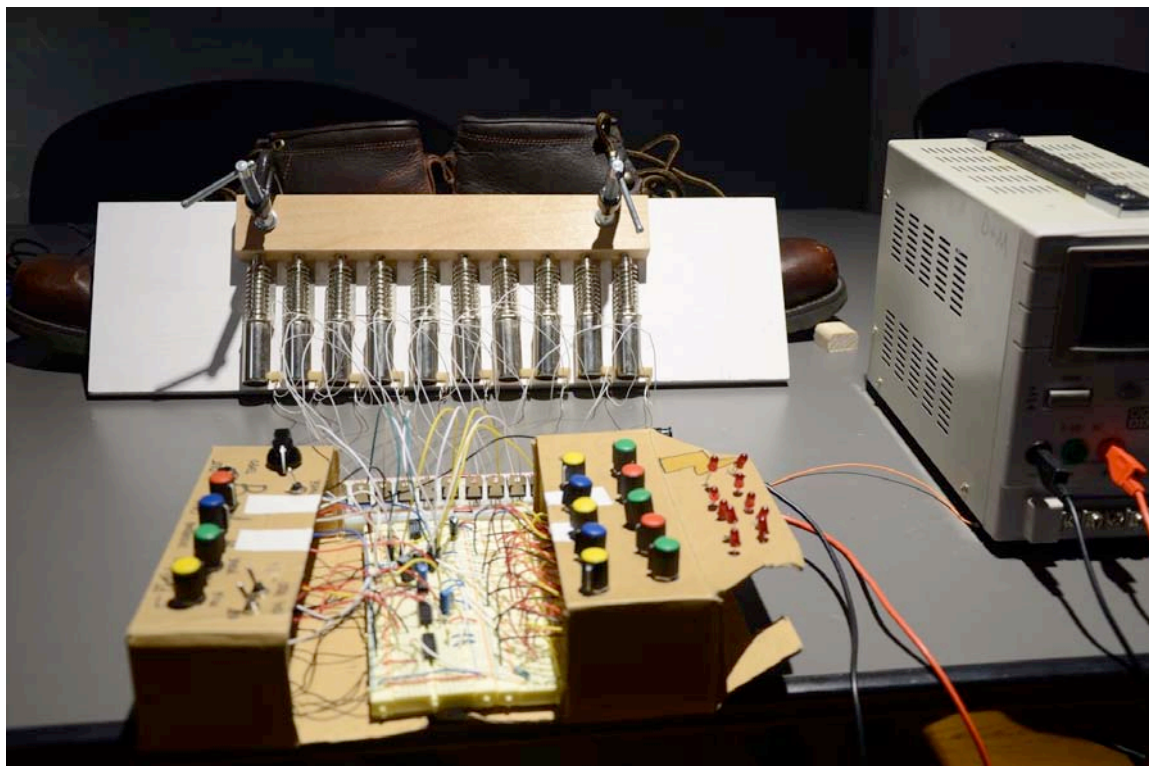
Claire Wong



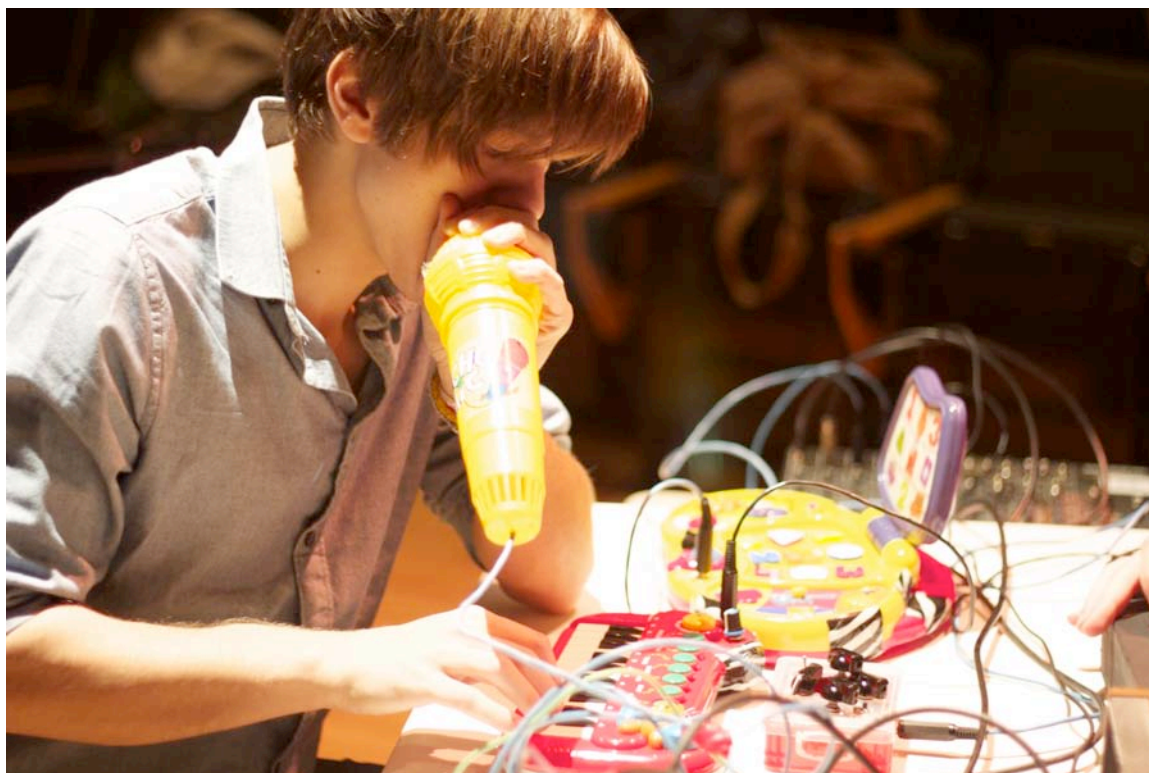
Claire Wong



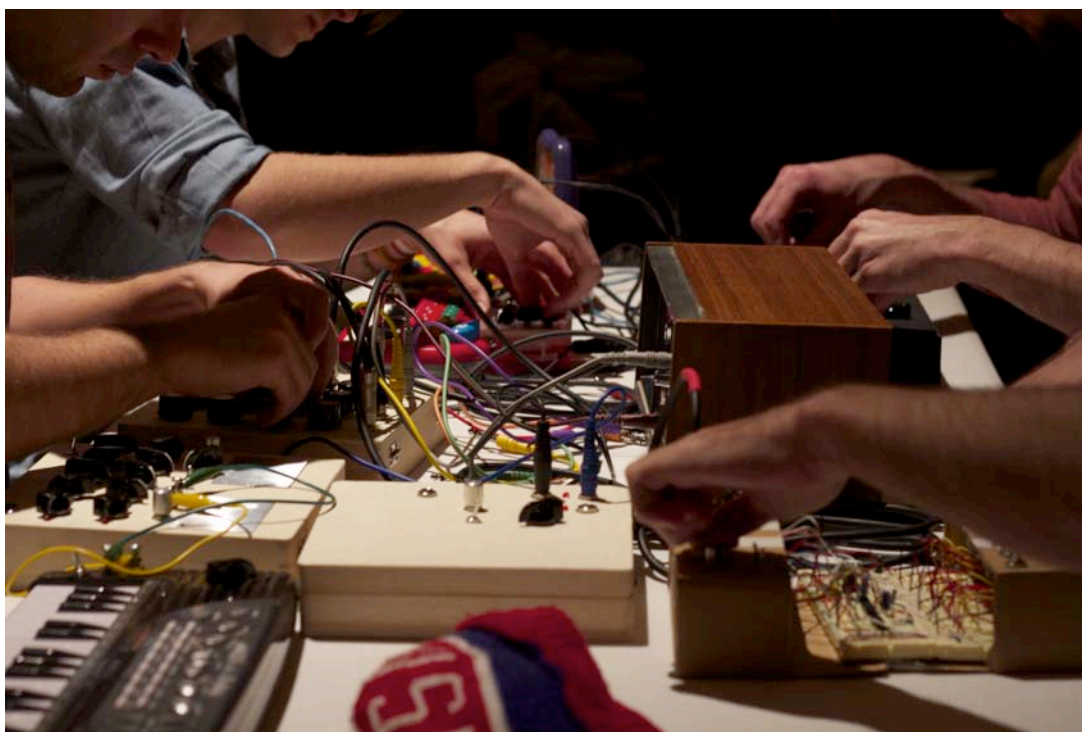
Jason Rabie



Jason Rabie



Jose Guillermo Fernandez Liermann, Daniel Putnam, Seth Thorn



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