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# LYNDON CORDERO LOPEZ

[WWW.BABYASPIRINDVD.COM](http://WWW.BABYASPIRINDVD.COM)

## email

lyndon.cordero@gmail.com

## phone

361-701-4076

## address

1811 Johnston St  
Los Angeles, CA 90031

## Education

California Institute of the Arts (CalArts), Valencia, CA

M.F.A. Music Technology: Interaction, Intelligence, Design  
Class of 2016

Brown University, Providence, RI

B.A. Music - Electronic Music and Multimedia (with Honors Distinction)  
Class of 2008

## Skills

Programming

C/C++, openFrameworks, JUCE, Linux (Raspberry PI), Processing, Java, Chuck, HTML, CSS, etc.

Microprocessor

Arduino, PIC, ARM Cortex - M7 (STM32F7)

Circuit Board Design

Altium Protel, Eagle

## Experience

Technical Assistant in Concert Production, CalArts – Sept 2014 - Present  
Prepare, facilitate, and operate all technical aspects of student concerts, including mixing, recording, amplification, live broadcasting, stage managing, and lighting.

Production Team Member, Bleep Labs, Austin, TX – Jan 2013 - Aug 2014

Assemble, solder, program, and fabricate all necessary components for Bleep Lab products, including synthesizers and synthesizer kits.

Assistant to Artists Ara Peterson and Jim Drain, Providence, RI – 2008 - 2012

Paint, fabricate, assemble, handle, and aid in completion of large-scale sculptural projects.

Intern, League of Electronic Musical Urban Robots (LEMUR), Brooklyn, NY – Summer 2007

Fabricate, machine, and assemble robotic musical instruments.



"Standing Wave," Ara Peterson, 2008



Bleep Labs Thingamagoop

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scene from "Plasma Pool VI"



Sitting Outside the Pavilion...



Unnamed Prototype

### Awards, Achievements, and Distinctions

- Artist in Residence, Museum of Human Achievement, Austin, TX, June 2015
- Sanford Litvack Scholarship, CalArts 2014-2015 and 2015-2016
- CalArts Grant, CalArts 2014-2015 and 2015-2016
- Artist in Residence, Baltimore Annex Theater, Baltimore, MD, May 2013 and November 2012

### Selected Works and Exhibitions

#### "Plasma Pool VI" (2015)

Experimental theater piece incorporating live electronics, sound, computer generated visuals, and dance. In this piece, the performers staged a dramatic lecture, integrating the audience into the performance as they sat in an indoor swimming pool. Performed at the Museum of Human Achievement in Austin, TX throughout June 2015.

#### "Sitting Outside The Pavilion..." (2015)

Kinetic sound sculpture utilizing a wireless microphone attached to a blade on a rotating fan. A feedback tone and a flash of light is generated each time the microphone passes a speaker. Custom electronics alter the speed of the fan at irregular intervals. Exhibited in the WaveCave sound art gallery at CalArts in February 2015.

#### Unnamed Prototype [H A I R] (2014-2015)

Prototype for a musical interface which utilizes a turntable, RGB color sensors, and touch-capacitive sensors to detect and memorize various colors on paper to create a musical performance.

#### Aeolian Machine (2008)

A 20-string robotic musical drone instrument with homemade keyboard controller. Various types of plectra attached to motors rotate asynchronously at high speeds, plucking the strings in an unpredictable tremolo style.

### Relevant Coursework

- C++ for Musicians and Artists
  - Advanced Circuit Design
  - Interface Design I & II
  - Audio Signal Processing
  - Composing with Technology
  - Teaching in Technology
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