

# John Arroyo

## Education

2006 – 2008                      **Dartmouth College**                      Hanover, NH  
M.A., Electro-Acoustic Music

2003 – 2006                      **Columbia University**                      New York, NY  
M.S., Electrical Engineering, Concentration in New Media Engineering

1994 – 1999                      **Carnegie Mellon University**                      Pittsburgh, PA  
B.S., Electrical and Computer Engineering with Fine Art minor

## Graduate Studies

Electro-Acoustic Music Composition with Larry Polansky, Jon Appleton  
Music Theory/Composition/Arrangement with Charles Dodge, Kui Dong  
Computer Music with Brad Garton  
Digital Signal Processing/MIR with Dan Ellis, Ge Wang, Michael Casey  
Digital Image Processing/Statistical Pattern Recognition with Shih-Fu Chang

## Professional Activities

**Film Composition** – Composing for Film & Animation, 2007- present  
**Dance Composition** – Composing for Modern Dance, 2007 - present  
**Sound Design** – Film & Stage Sound Design, 2008 - present  
**Red Flavored Records** – DJ / Producer / Owner, 2004 - present  
**Freelance Web Development** – Various Web Development & Design  
Projects Including: Jeco Music, Grupo Intocable, Indian Larry, Prohibit NYC,  
Juice Software, Tokyo FM, 2002 - present

## Teaching Experience

**Teaching Assistant**, Composition of Electro-Acoustic Music, Fall 2007  
**Electronic Music Tutor** (high school students), Fall 2006 - present  
**Teaching Assistant**, Electronic and Computer Music, CMU, Fall 1997

## Awards

**Arts and Sciences Graduate Alumni Research Award**, Dartmouth, 2007  
**Rhizome Commission Finalist**, Rhizome, NY, NY, 2007  
**Graduate Student Travel Award**, Dartmouth, 2007  
**José Martí Award for Academic Improvement**, CMU, 1999  
**5th Place National Design Competition**, SHPE, Philadelphia, PA, 1997  
**Academic Merit Scholarship**, CMU, 1994-1998

## Work History

March 2008 – Present  
**President & Founder**, Remixin, Inc.                      Beverly Hills, CA  
Business development, architecture & Drupal web development for the  
iterative remix community, [www.remixin.com](http://www.remixin.com)

Sep 2006 – June 2008  
**RA, Webmaster, & Baker Bells**, Dartmouth College                      Hanover, NH  
Manage the linux servers and the EA Music department website, Music  
research, Manage the scheduling and control system for the Baker Bells.

Jul 2002 – Sep 2006

**Web Developer**, Columbia University (UDAR/LDPD) New York, NY  
JAVA developer for Intranet and online donation applications, Support for the regional alumni club websites and primary alumni website (UDAR).  
Developed Perl scripts for multi-institutional data feeds, Designed and implemented a JAVA application for a scalable meta data repository (LDPD).

Mar 2002 – Jun 2002

**Freelance Web Developer**, Independent Contractor New York, NY  
Content management programming for Juice Software and Tokyo FM

Feb 2001 – Feb 2002

**Senior Web Developer**, Juice Software New York, NY  
Managed a small web team integrating a content management system (Eprise) as well as developing custom intranet tools and online applications

Jun 2000 – Jan 2001

**Internet Architect**, Kioken Inc Dallas, TX / New York, NY  
Developed content management systems for dynamic multimedia websites

Jun 1999 - Jun 2000

**Engineer**, Sapient Corporation Dallas, TX  
Part of a development team designing and implementing an online IPO system and integrating a customer relationship management system

**Prior Academic Activities**

**New Music Ensemble** – Performer & Composer, 2006-2008  
**Electrocab** – Ensemble for emerging genres, 2007-2008  
**LabROSA** – Researcher in Music Information Retrieval (MIR), 2004-2006  
**Music Engineering Art Projects (MEAP)** – member, 2005-2006  
**Audio Engineering Society (AES)** – Columbia Vice President, 2005-2006  
**WRCT Pittsburgh**, Radio DJ, 1995-1996, 1998-1999  
**Electronic Media Organization**, VP & Co-Founder, 1998-1999  
**Society of Hispanic Professional Engineers**, Activities Chair, 1997-1999  
**Filmmaking Club**, Charter member and film festival participant, 1994-1996

**Publications, Articles and Proceedings**

**ICMC Concert Review**, Array Journal, International Computer Music Association 2007

**D.P. Ellis and J. Arroyo, Eigenrhythms: Drum Pattern Basis Sets For Classification and Generation**, In Proc. Int. Conf. on Music Info. Retrieval, ISMIR-04, Oct 2004

**Select Compositions**

**Control of the Noise**, 2008, Time coded vinyl is used to control custom noise compositions that are manipulated using turntablism technique

**#103, for Trumpet and Electronics**, 2007, Trumpet valves are miced and processed for clicks and gated feedback

**MEAPsoft Chopshop**, 2007, Composed tape pieces were made using MEAPsoft and mixed and scratched live using turntabalism technique

**Better Days**, 2006, Originated as a commissioned score to an animated short, later was extended with harder rhythms into a danceable composition

**Phase Vocoder Interpretations**, 2005, Reinterpreted 3 of my previous compositions using my custom Phase Vocoder software.

**Boom Boom**, 2004, Funky house track with hypnotic loops created using speech synthesis software, wave editors, and a DAW.

**World Synth**, 2003, Composition revolving around globalized folk music. The intro uses custom sine wave synthesis.

**Tribute to Karlheinz Stockhausen**, 2003, Noise composition creating rhythmic melodies by manipulating colored noise (white, pink, etc).

**Vagamundo**, 2002, Interactive ice cream cart portraying the plight of a Mexican immigrant in New York City, by Ricardo Miranda & John Arroyo.

Select  
Performances &  
Exhibitions

**ICMC 2008**, August 29<sup>th</sup> 2008, Sound Lab, Belfast, North Ireland, UK  
Control of the Noise

**Studio A.I.R.**, March 15<sup>th</sup> 2008, Brooklyn, NY  
Tape & Electronics with 2 dancers, Choreography by Stephanie Sleeper

**Monkey Town**, March 13<sup>th</sup> 2008, Brooklyn, NY  
Experimental DJ set

**Sullivan Room**, October 6<sup>th</sup> 2007, New York, NY  
DJ'ed and played original music

**Chosen Vale International Trumpet Seminar**, June 28<sup>th</sup> 2007, Stone Mill, Enfield, NH  
#103 for Trumpet & Electronics, performed by Andreas Stoltzfus

**NIME 2007**, June 8<sup>th</sup> 2007, Southpaw, Brooklyn, NY  
MEAPsoft Chopshop & Pornchop

**Boston Cyber Arts Festival**, April 27<sup>th</sup> 2007, Slosberg Hall, Waltham, MA  
MEAPsoft Chopshop

**Orange Corner**, July 30<sup>th</sup> 2006, Ibiza, Spain  
DJ'ed and played original music

**Pacha**, March 25<sup>th</sup> 2006, New York, NY  
DJ'ed and played original music

**Winter Music Conference '05**, March 26<sup>th</sup> 2005, Whitelaw Hotel, Miami, FL  
DJ'ed and played original music

**Red Pepper Sessions**, February 26<sup>th</sup> 2005, Sullivan Room, New York, NY  
DJ'ed and played original music

**Boogaloo**, October 15<sup>th</sup> 2004, Cologne, Germany  
DJ'ed and played original music

**Re:NEW Frontiers of Creativity**, September 30<sup>th</sup> 2004, Columbia University, New York, NY  
Exhibited Vagamundo

**ALT Digital**, October 24<sup>th</sup> – April 30<sup>th</sup>, 2003-04, The American Museum of the Moving Image, Queens, NY  
Exhibited Vagamundo

**Rauch Club**, February 26<sup>th</sup> 2003, Feldkirch, Austria  
DJ'ed

**Version>03: Digital Arts Convergence**, March 27-30, 2003, Museum of Contemporary Art, Chicago, IL  
Exhibited Vagamundo

**Race in Digital Space 2.0**, October 11-12, 2002, Los Angeles Museum of Contemporary Art, Los Angeles, CA  
Exhibited Vagamundo

**Peter Coffin's "Perfect If On"**, March 29<sup>th</sup> 2002, Andrew Kreps Gallery, New York, NY  
Performed improvised music for plants

#### Presentations & Lectures

**North East Music Information Special Interest Group**, May 25<sup>th</sup>, 2008, New York, NY. Poster, "Eigensynth: Derivative Beat Box"

**Composition of Electro-Acoustic Music**, May 24<sup>th</sup>, 2007, Hanover, NH  
Guest Lecture, "DJ Paradigms in Electro-Acoustic Music"

**SS in Sound and Music Computing**, July 26<sup>th</sup>, 2006, Barcelona, Spain  
Eigensynth and the applications of derivative rhythm generators

**Dorkbot**, April 5<sup>th</sup> 2006, New York, NY  
Eigensynth, how it works and demonstration

**MEAP** (Music & Engineering Art Projects), October 10<sup>th</sup> 2005, NY, NY  
Phase Vocoder, Eigenrhythms, and Eigensynth preliminaries.

**ISMIR 2004**, October 14<sup>th</sup> 2004, Barcelona, Spain  
Eigenrhythms, method and results

**Dorkbot**, March 5<sup>th</sup> 2003, New York, NY  
Production techniques for Vagamundo, a Migrants Tale

#### Computer Skills

**Programming Languages:** JAVA, C/C++, PHP, Perl, VB Script, and Coldfusion

**Data & Presentation Languages:** XML, XSLT, SQL, HTML, Ajax, JavaScript and CSS

**Server Technologies:** Tomcat (JSP), Apache, .Net, Eprise Participant Server (CMS), and Silknet (CRM)

**Databases:** Oracle, DB2, MS SQL Server, and MySQL

**Software Applications:** Ableton Live, Pro Tools, Matlab, Max/MSP, Dreamweaver, Photoshop, Illustrator, Flash, MS Office, Cubase, and Traktor

#### Websites

[www.johnarroyo.com](http://www.johnarroyo.com)  
[www.remixin.com](http://www.remixin.com)  
[www.djfingers.com](http://www.djfingers.com)