

EDUCATION

MFA, Graduate Fine Art, 2002-2004, Pasadena, CA

Art Center College of Design

BFA, Fine Art Photography, with High Honors, 1998-2001, Rochester, NY

Rochester Institute of Technology

Studio Art Centers International, 2000, Florence, Italy

Advanced Fine Art Photography Course – Summer Abroad

Clark Community College, 1996-1998, Vancouver, WA

WORK EXPERIENCE

Visual/Interactive Artist | 1998-Present | Los Angeles, CA

Visual Artist focused on the cultural impact of technology and experience in film, documentary, photography, interactive media, and immersive space.

Whatartist | 2001-Present | Owner | Los Angeles, CA

Media art, technology, design, photography, film-making, interaction design, consultation

Nontrivial Studio | 2014-2019 | Partner | Los Angeles, CA

A R&D studio developing hardware and software tools for the Arts and Sciences as well as manufacturing electronics, laser cutting and 3D printing.

Southern California Institute of Architecture | 2006-2018 | Los Angeles, CA

Post-Grad Program: mediaSCAPES, Grad Programs: Visual Studies and Cultural Studies

Art Institute of California, Hollywood | 2011-2019 | North Hollywood, CA

Undergraduate: Digital Photography, Graphic Design, General Studies

Whittier College | 2011, 2017 | Whittier, CA

Undergraduate courses involving interdisciplinary studies in Math, Art, and Web Development/Theory.

Machine Project | 2010 | Los Angeles, CA

A multi-disciplinary course on the building of a custom designed EEG machine

Art Institute of California, Orange County | 2005-2009 | Santa Ana, CA

Full Time/Adjunct, Web design and interactive media, graphic design, photography, advertising

Electroland | 2013-2018 | Master Artist | Los Angeles, CA

Design public art installations Hardware, software, and visualization design. Foreman on installations (calosha certified).

SKILLS

PHOTOGRAPHY: editorial, food, product, jewelry, architecture, computational, analog, digital, large/medium/small formats, astronomical, portrait, music, style, interior design, digi-tech, archiving.

FILM-MAKING: pre-production, production, post-production, directing, producing, editing, motion graphics, visual effects, sound design/recording, grip, cameras (Film/Digital).

PROGRAMMING: Python, C++, C#, Java, openFrameworks, Processing, Arduino, PHP, Javascript, HTML/CSS, MEL, Max/MSP, Supercollider, Sage, Matlab, Fmod, Unity, Shell/Bash.

LIGHTING: Film, Photography, Stage

SMALL BUSINESS MANAGEMENT: accounting, project management, business model development, marketing, distribution, intellectual property, creative commons.

3D DESIGN: physics, particle dynamics, scripting, modeling, exporting (cross-compatible), animation, baking, skinning.

Interactive and Installation Art/Media

Graphic Design

Linux

Streaming Media

Electronic Circuit Manufacturing

Systems Design

Large Scale Art Installations

Security and Encryption (IT)

Database Design MySQL/MSSQL

Art Theory

SSL/Web Security

Avid

Color Management

Interaction Design

Mac

Database Design

3D Printing

Critical Theory and Analysis

Digital Archive Design

Server Development/Management

AC and DC electrical systems

Philosophy

Soldering

Protocols

Systems Design

Industrial Design

Windows

Electronic Circuit Design

Laser Cutting

Grant Writing

Backup Management

Network Management

Art History

Curriculum Development

Pentesting

Adobe Creative Suite

INSTALLATIONS

Institute for Quantitative and Computational Biosciences

Nontrivial Studio | UCLA | 2016-2019

Lead Artist, Designer, Developer. ~30k LED wall. Exhibiting research from the wet and dry labs. Acting as a visual site encouraging collaboration between researchers. Open source systems.

Ft. Lauderdale Airport International Terminal Installation

Electroland | Ft. Lauderdale, FL | 2015-2018

Lead/Master Artist, Hardware and software design for a 120'+ permanent LED art installation.

Huntington Beach Boardwalk

A Radical Hypothesis | Huntington Beach, CA | 2014

Hardware and software design for a permanent art installation.

Spheres Performance

Lita Albuquerque | Laguna Beach, CA | 2013

Designed and build 300 LED spheres for a live performance.

Cyclone DirecTV Lobby Installation

Electroland | Los Angeles, CA | 2013

Master artist in the fabrication and build of a 50,000 LED interactive art permanent installation.

Wilshire Boulevard Temple Yartzheit Memorial

Lita Albuquerque | Los Angeles, CA | 2012-2018

Lighting artist-research, design, development of the technology, hardware, software, and implementation of an 1800 LED Gregorian/Hebrew calendar based permanent Yartzheit Memorial Wall.

ARTICLES and ESSAYS

McCallum, Katie. "Research." <http://katiemccallum.net/research/>. 2015

Singley, Paullette. "SCI-Arc Media Archive" Journal of the Society of Architectural Historians. September 2015.

Yainerys Avila Santos. "Sello 25 aniversario de la AHS para Cinco Héroes Cubanos". Agencia Cubana de Noticias, Oct 14, 2011.

"SCI-Arc Awarded Getty Foundation, NEA Grants to Create Comprehensive Digital Lecture Archive". Southern California Institute of Architecture, sciarc.edu. May 18, 2011.

Mike Winder. "The Limits of Control". DOT issue 18, Art Center College of Design. 2010.

"Quasar". Interactive Architecture, interactivearchitecture.org. Feb 11, 2008

Elizabeth Withey. "Rusty minivan, green message for f Immakers". The Edmonton Journal. Jul 19, 2007.

Janet Owen. "Porciuncula". Supersonic. p.18. Art Center College of Design, 2004.

Bocanegra, Aaron. Cultural Evolution: A Dynamically Self/Critical Storytelling. Art Center College of Design, 2004.

TALKS/LECTURES

1 Short Lecture About 629 Longer Ones | 2012 | Los Angeles, CA | Academy of Motion Pictures Arts and Sciences

The Reel Thing, collaboration with Reza Monohan and Kevin McMahon (SCI-Arc)

Contemporary Technology and Collaboration in Art | 2012 | Sancti Spiritus, Cuba | Unión de Escritores y Artistas de Cuba

Interdisciplinary artistic practices today in the US and Latin America.

Math and Art: Collaborative Practices | 2012 | New York, NY | CUNY Hunter

Arts Across the Curriculum Summit, collaboration with Bill Kronholm

Arduino Workshop | 2012 | New York, NY | CUNY Hunter

Arts Across the Curriculum Summit, collaboration with Bill Kronholm

Math and Art: Collaborative Practices | 2012 | Boston, MA | Joint Mathematics Meetings

Homology and other dangerous interrogations between Aaron Bocanegra and Bill Kronholm, PhD.

Systems Thinking in a Rigorous Art Practice | 2011 | Pasadena, CA | Art Center College of Design

A systems theory design practice for artistic research.

Artistic Knowledge | 2011 | Whittier, CA | Whittier College

A collaboration between scientific and artistic knowledge. Defining the boundaries of artistic knowledge.

The Future of Art: Direct Collaboration with Math and Science | 2010 | Swarthmore, PA | Swarthmore College

Colloquium Series 2009-2010

Introduction for Evan Roth | 2009 | Los Angeles, CA | Southern California Institute of Architecture

Release Early Often and With Rap Music

Research as Art | Pasadena, CA | 2008 | Art Center College of Design

Graduate Studies Guest Lecture

Quasar Panel Discussion | 2008 | Los Angeles, CA | Southern California Institute of Architecture
From LA to the Arctic Circle | 2007 | Los Angeles, CA | Southern California Institute of Architecture

AWARDS and GRANTS

Art | SCI Lab Grant | 2016 | UCLA

Grant to collaborate with Artist Julie Pate and Mathematician Bill Kronholm Ph.D on an immersive performative multimedia installation, Resonant Refraction.

Returning Distinguished Artist Grant | 2013 | Whittier College

A grant to collaborate with theatre artists Lisa Wolpe by creating Media for the production of her piece Shakespeare and the Alchemy of Gender.

SCI-Arc Media Archive Design Grant | 2013 | NEA, Getty Institute, MAK Foundation

3 large grants funding the development of a video archive for SCI-Arc.

La Asociación Hermanos Saíz (AHS) 25 Anniversary Medal | 2013 | Cuba

The medal honors Solidarity Rock – an art and cultural institute I am vice-president of – as one of the most important cultural projects in Cuba over the last 25 years.

Distinguished Artist Residency | 2011 | Whittier College

A grant from the Center for Collaboration with the Arts towards my collaboration with Mathematician Bill Kronholm working to form concepts of math-art. An interdisciplinary course was an element of the grant. This funded the first version of the Homology project.

Artist of the Month | 2010 | George Greenstein Institute

In recognition of my work on art and the brain through the development of an open source EEG machine accessible to artists and makers alike.

Best Art Documentary | 2010 | Mammoth Mountain, CA

Award for the feature length documentary film Up North at the Mammoth Mountain Film Festival

SOLO EXHIBITS

Bombay Sapphire Artisan Series | 2014 | Coagula Curatorial | Chinatown, Los Angeles

Resonant Refraction--Immersive homology network installation with light, music, bodies in space, and painting. A collaboration with Julie Pate and Bill Kronholm Ph.D.

Escritura de Ciudad | 2014 | AHS | Sancti Spiritus, Cuba

Photos and poems in collaboration with Liudmila Quincoses.

Shakespeare and the Alchemy of Gender | 2013 | Robinson Theatre | Whittier, CA

Collaboration with Lisa Wolpe. Creation of media for a theatrical performance.

Resonant Refraction | 2012 | Whittier College | Whittier, CA

Interactive musical orchestra performed by an audience in a sensor network

Up North | 2010 | Plaza Theatre | Calgary, AB, Canada

Screening of Up North

Up North | 2010 | Latitude 53 | Edmonton, AB, Canada

Screening of Up North

Up North | 2010 | Lethbridge Public Library Theatre Gallery | Lethbridge, AB, Canada

Screening of Up North

Up North | 2010 | Bizarre Entertainment | Golden, BC, Canada

Screening of Up North

Up North | 2010 | Camas Books | Victoria, BC, Canada

Screening of Up North

Up North | 2009 | Stanley Milner Theatre | Edmonton, AB, Canada

Community premiere screening of Up North

Quasar | 2008 | SCI-Arc Gallery | Los Angeles, CA

Media Art – Responsive ecology. light, sound, advance sensors, touchscreen installation

3 Porciuncula Works | 2007 | The Cave | Los Angeles, CA

Video, photography, sculpture, sound: Solo trilogy show including Porciuncula video, Kayaking the LA River video, and Sources photo installation.

Porciuncula MFA Final Show | 2004 | Art Center College of Design | Los Angeles, CA

Video, sculpture, photography, sound

Skid Row: A Portrait of a LA Community | 2002 | Skid Row Block Party | Los Angeles, CA

Video screening

Around Skid Row: A Portrait of a LA Community | 2002 | Art Center College of Design | Los Angeles, CA

Video screening

Reflected | 2002 | Art Center College of Design | Los Angeles, CA

Sculpture, photography, video installation

BFA Show | 2001 | Rochester Institute of Technology | Rochester, NY

Collaborative Portraits and The Mask: Sculpture, photography, video, sound

GROUP EXHIBITS

Digital Life '13 | 2013 | Museum of Contemporary Art | Rome, Italy

Worked with Mattia Casalegno on kinetic sculpture, RBSC.01. Designed hardware and software.

Gun Control | 2013 | 555 Non-Profit Gallery and Studios | Detroit, MI

Collaboration with Julie Pate on a video/painting, Texture Overload. Video, paint, mixed media

Explorations | 2013 | Mount Wilson Observatory | Los Angeles, CA

Visualization and installation design for Lita Albuquerque (master artist technical)

Solidarity Rock | 2011 | Galleria El Paso | Sancti Spiritus, Cuba

Photographs, artists include: Aaron Bocanegra, Drew McIntosh, Samuel Reina Calvo, Sandy Phimester and Bryan Kulba

Solidarity Rock | 2011 | Casa de Joven Creador | Trinidad, Cuba

Photographs from the documentary project exploring the nascent Cuban punk scene.

Solidarity Rock | 2011 | Media Club | Vancouver, BC, Canada

Photographs from the documentary project exploring the nascent Cuban punk scene.

Solidarity Rock | 2011 | Baby Seal Club | Edmonton, AB, Canada

Photographs from the documentary project exploring the nascent Cuban punk scene.

Solidarity Rock | 2010 | Casa de Joven Creador | Sancti Spiritus, Cuba

Photographs from the documentary project exploring the nascent Cuban punk scene.

Solidarity Rock | 2010 | The Artery | Edmonton, AB, Canada

Photographs from the documentary project exploring the nascent Cuban punk scene.

Entre Dos Ríos | 2009 | Galería El Paso | Sancti Spritus, Cuba

Watercolor paintings in conversation with Hermes Entenza

Escritura de Ciudad | 2009 | Galería El Paso | Sancti Spritus, Cuba

Photos and poems in collaboration with Liudmila Quincoses

Tour des Artistes | 2009 | Phantom Galleries LA | Long Beach, CA

Feature length video screening of Up North coinciding with the TED Conference 2009

Overflow : A Reinvention of Allan Kaprow's "Fluids" | 2008 | Getty Center | Los Angeles, CA

Documented and participated in the happening with the LA Art Girls. My role was originally Dennis Hopper's role in the original event.

Park[ing] Day LA | 2008 | Kristi Engle Gallery | Eagle Rock, Los Angeles, CA

Open space art Installation as part of Parking Day, Invited by Kristi Engle Gallery

Arcadia | 2005 | Centre Des Monuments Nationaux | Paris, France

Cinematography on video piece by Camille Goujon

Around 5th & Main | 2004 | LA Freewaves Festival | Los Angeles, CA

Video screening of short exploring experience of life on the nickle in Downtown LA

Supersonic | 2004 | Art Center College of Design | Los Angeles, CA

A group show of all graduating MFA students from 2003-2004.

Design Conference | 2004 | Art Center College of Design | Los Angeles, CA

Video, sculpture included in a show curated by Patti Podesta

Porciuncula | 2003 | Friends of the LA River | Los Angeles, CA

Video, sculpture, photography, sound exploring the LA River, history, life, and experience.

Distant Family | 2003 | Echo Park Film Center | Los Angeles, CA

Documentary screening – editor of short about 3 strikes law

Annual Art Show | 2000 | Rochester Institute of Technology | Rochester, NY

Abstractions: Photography

160 Years of Photography | 1999 | CEPA Gallery | Buffalo, NY

Photography

COURSES TAUGHT

Southern California Institute of Architecture

Visual Studies - Graduate

Animation Techniques
Strategies of Representation I: Analysis and Translation
Strategies of Representation II: Diagramming and Spatial Constructions
Strategies of Representation IV: Reflexive Representation: Exploration of form through time based media
Maya Particle Workshop

Vertical Studios

Next Generations
New Ecologies
Softtech
Re-Structuring Concepts

Cultural Studies - Undergrad

History of Ideas

Cultural Studies - Graduate

Theory and Criticality

MEDIAscapes - Post-Grad

Theory and Practice
MEDIAscapes Vertical Studio I
Data Visualization: Processing
MEDIAscapes Vertical Studio II
Advanced Motion Graphics
Visual Sonics

Art Institute of California-Hollywood

Digital Photography - Undergrad

Advanced Post-Production
Portfolio I / Portfolio II
Special Topics - Architecture Photography
e-Portfolio
Special Topics - Social Media Narrative
Photo Criticism
Special Topics - Advanced Concepts
History of Photography I
History of Photography II
Photo Essay
Photojournalism
Digital Imaging I
Digital Imaging II
Lighting I
Advanced Lighting
Studio Photography
Digital Darkroom Creative Techniques
Introduction to Photography Applications
Photographic Post-Production
Web For Non-Majors
Color Management and Printing

General Studies - Undergrad

Visual Language and Culture

Graphic Design - Undergrad

Senior Project
Emerging Technologies
Interactive Advertising
Information Architecture
Authoring for Interaction

Game Design/Film Video Animation - Undergrad

Sound for Interactive Media (game and art)

Digital Audio I-Intro to the Interface

Art Institute of California-Orange County

Web Design Interactive Media - Undergrad

Interaction Design for Entertainment

Interaction Design for Education

Senior Project Studio

Fundamentals of Animation

Internship

Digital Portfolio

Systems Design and Theory

Photography - Undergrad

Large Format Photography

Introduction to Photography

Graphic Design - Undergrad

Photo Graphics

Design Layout

Advertising - Undergrad

Senior Project

General Studies - Undergrad

Computer Applications

Media Arts - Undergrad

Editing Techniques

Motion Graphics

Intermediate Motion Graphics

Animation Techniques

Art Institute of California Los Angeles - Undergrad

Web Development for Non-Majors

Whittier College

Interdisciplinary Studies - Undergrad

INTD235:Math/Art: Collaborative Practices

INTD 245: World Wide Web: Origins, Form, and Function

Machine Project - Workshops

DIY Arduino EEG-For Artists and Hobbyists

ACADEMIC COMMITTEES

AICA-Hollywood: Admissions Committee, Senior Thesis Committee

AICA-OC:Library Committee, Senior Thesis Committee

SCI-Arc: mediaScapes Curriculum Committee, Graduate Thesis Committees

COMMERCIAL

Solidarity Rock | 2010-Present | Documentary Long Form

Producer, Cinematographer, Photographer: Documentary looking at the evolution and implications of the burgeoning Punk scene in the heart of Cuba. Ongoing project since 2009.

Becoming MeW4U | 2019 | Documentary Short

Editor, Sound, Color Grading, Graphics

Nontrivial Studio | 2015-2019 | R&D

Professional Hardware and Software Research and Development: Partner in a studio developing professional tools in art, science, and technology. In addition, we work in prototyping and fabrication using 3D printing and laser cutting.

Electroland | 2012-2018 | Large Scale Art and Light Installations

Master Artist, Architectural Lighting Design, Foreman for Installation

Web Development and Database Design | 2008-2018 | Prestige Care Assisted Living

Interaction Design, Design, Database Design, Development: Upgrading and maintaining the web presence of Prestige Care assisted living since 2008.

Catalog, Look Book Photography | 2002-2014 | Shop LA Style

Photographer, Digi-Tech, Photograph the catalog for Shop LA Style and do advanced post-production as needed.

Recollecting Forward | 2013 | Documentary Short

Producer, Motion Graphics: 30 minute documentary exploring the history of SCI-Arc.

Architectural Portfolio Site | 2013 | HplusF

Interaction Design, Graphic Design, Development: Creation of an online portfolio for renowned architectural firm HplusF.

Live Streaming Lectures | 2013 | Southern California Institute of Architecture

Interaction Design, Graphic Design: Development of a live streaming section for the SCI-Arc Media Archive.

SCI-Arc Media Archive | 2011-2017 | Southern California Institute of Architecture

Grant Writing, Interaction Design, Graphic Design, Development, Streaming Media: Creation of an archive of all lectures, posters, and a curatorial section for the Southern California Institute of Architecture. All media is provided to all devices from a custom built media archive.

Autodesk Digital STEAM Workshop | 2010-2011 | Autodesk

Interaction Design, Graphic Design, 3D Graphics, Development, Media Management: Creation of a secondary learning curriculum site for approximately 1 million students worldwide. The aim is to support STEAM education through Autodesk's technology and knowledge base.

Flash Based Game/Advertising Campaign | 2009-2010 | Dole

Interaction Design, Graphic Design, Flash Game Design, Development+ Development of multiple platforms and variations of a game to advertise Dole products through an interactive flash game several times over 3 years.

Jewelry Photography | 2010 | Tacori

Photography - Print and Web

Up North | 2007-2009 | Feature Length Documentary

Producer, Director, Cinematographer, Editor, Motion Graphics: Award winning feature length documentary on change in the Arctic Circle. Project lasted from 2007 through 2009.

Music Video | 2009 | Fullbliss

Director, Cinematographer, Editor

Short Film | 2009 | Chick Flick

Gaffer: An award winning short film by Heather Bennett

Consultant | 2008 | Cargo Collective

Consultant on the structure, interactivity and design of Cargo Collective

Partner | 2007 | Slap!HQ

Art, Film-making, Interaction Design, Architecture

An architecture and media firm focused on architecture and installations.

Criticism and Theory Graduate Program Site | 2007 | Art Center College of Design

Interaction Design, Graphic Design, Flash Development, Development

Creation of program site for the graduate program at Art Center in Criticism and Theory.

.COMmentary.com | 2006 | Art Center College of Design

Interaction Design, Graphic Design, Development

Creation of a bi-monthly critical newsletter edited by Rosetta Brooks for the Criticism and Theory Graduate Program at Art Center.

Jewelry Photography | 2005 | Gorjana

Photography - Print and Web

TV Documentary Series (music) | 2003-2004 | X-Music

Photographer, Lighting, Cinematographer

Photo Published | 2004 | The New York Times

Photojournalism

Documentary Short | 2003 | Distant Family

Editor, Sound Editing: A documentary exploring the experiences of prisoners and their relatives in the context of the 3-strikes law.

Documentary | 2002 | Around Skid Row: Portrait of a Los Angeles Community

Producer, Director, Camera, Editor, Sound Editing: A feature length documentary art project exploring the various perspectives surrounding the skid row community at the beginning of a new phase of gentrification.

Event Photographer | 2001-2004 | Bill Hodge Photography

Event Photographer: From 2001 through 2004 I was a lead photographer lighting and shooting various live events throughout Southern California.

First Assistant: Photography | 1999 | New York, San Francisco, Los Angeles

Photographer, Assistant, Digi-Tech: I Assisted various photographers shooting: food, product, architecture, interior design, fashion, celebrity portraits, weddings, events, corporate portraiture, journalism, and editorial portraiture.

Senior Photo Editor | 1997-1998 | Clark College Newspaper

Handled photographers assignments, produced stories, improved technical quality and print quality of paper, went on assignment, as well as budgeting and scheduling.