

Juan Manuel Escalante

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EDUCATION

2014-2019
(expected)

Ph.D, Media Arts and Technology

University of California Santa Barbara
Santa Barbara, California (USA)

Thesis: *Diagrammatics: Explorations in Sound Notation*

Advisor: Curtis Roads

Committee: Marko Peljhan, Andrés Cabrera

2004-2006

Master of Architecture

National Autonomous University of Mexico, UNAM
Mexico City (MEX)

Thesis: *Architecture in the Age of Post-Digital Revolution*

Advisor: María Elena Hernández

Committee: Álvaro Sánchez González, Rebeca Trejo Xelhuantzi

*Honorific Mention

1999-2003

Bachelor of Architecture

Metropolitan Autonomous University, UAM-X
Mexico City (MEX)

*Medal of Excellence / Final GPA: 10/10

ADDITIONAL STUDIES

2018

The Radical Listener.
Instructor: Lawrence English

2010

Algorithmic Composition
Instructor: Ernesto Romero

2018

SenseMini Workshop
Instructor: Václav Pelousek (BASTL)

2010

Interactive Art with Open Source Tools
Instructor: David Cuartielles (Arduino)

2016

OMS Synth Minilab
Instructor: Peter Edwards
(Casper Electronics)

2004

Advanced actionscript
Instructor: Fernando Florez

2013

Typography and Type Design
Instructor: Mónica Munguía

2003

Advanced Programming
Instructor: Iván Abreu

AWARDS & GRANTS

2017-2019	National System of Art Creators Award National Endowment for the Arts (MEX)
2019	Mildred E. Mathias Graduate Student Research Grant Program UC National Reserve System (USA)
2014-2017	UC International Regent Fellow University of California, Santa Barbara (USA)
2016	Outstanding TA Award · nomination University of California Santa Barbara (USA)
	Corwin Award · 1st prize · Electronic-Acoustic Composition Music Department, University of California Santa Barbara (USA)
2013	Young Creator Award National Endowment for the Arts (MEX)
	Data Journalism Awards · Finalist Global Editors Network - World Summit (FRA)
2012	Songwriting Composition · 2nd prize Foro del Tejedor (MEX)
2011	Young Creator Award National Endowment for the Arts (MEX)
	Best Electronic Art Piece · 1st prize ArteShock. TVUNAM (MEX)
2005	V OFFF Film Fest · Official Selection OFFF Festival (ESP)
2002 & 2003	Best Multimedia Application National University of Mexico (MEX)
2003	a! International Design Award - Interactive Media [Finalist] a! Magazine (MEX)

EXHIBITIONS

SOLO	2018	Diagrammatics	The Glass Box Gallery (USA)
	2017	MeanTime	The Glass Box Gallery (USA)
	2012	Algorithmic Hermeneutics	National Center for the Arts (MEX)
	2011	34612	Garash Galería (MEX)
GROUP	2018	MAT End of Year Show Piece: Diagrammatics	California NanoSystems Institute (USA)
	2017	UCSB Summer Music Festival Curator: Rodney DuPlessis Piece: (selected sound notation work)	University of California Santa Barbara (USA)
		Plums Fest Curator: Anna Bychkova Piece: The Sound Digestive System	Moscow (RUS)
		CURRENTS New Media Festival Curator: Yoon C Han Piece: Microsonic Landscapes · National Anthem Reversed	Santa Fe, New Mexico (USA)
		The Future is Now Curator: Zachi Dinar Piece: Hackpact	Holon Institute of Technology (ISR)

2016	SV + VS Curator: Yoon C Han Piece: Microsonic Landscapes	Dongdaemun History & Culture Park (KOR)
2015	Sonifying Visuals + Visualizing Sound Curator: Yoon C Han Piece: Microsonic Landscapes · National Anthem Reversed	Los Angeles, CA (USA)
	New Realities Curator: Carmen Salas (AlphaVille) Piece: Microsonic Landscapes	Barcelona Mobile World Capital (ESP)
	Open Sources Curator: Fabian Offert Piece: The Sound Digestive System · Lukidus	California NanoSystems Institute (USA)
2014	Muerte Chiquita Curator: Nadia Islas Piece: Me Está Matando	Gurú Galería (MEX)
	Creación en Movimiento Piece: Cannon Fodder	San Pedro Art Museum, Puebla (MEX)
2013	D-Dessin Curator: Marié Moebius Piece: Toledo 65	Yam Gallery (FRA)
	Muerte Chiquita Curator: Nadia Islas Piece: Banjo R.I.P.	Gurú Galería (MEX)
	Paralelas Contemporáneas IV Curator: Oscar Román Piece: La velocidad de Liberación	Oscar Roman Gallery (MEX)
	Paralelas Contemporáneas IV Curator: Nadia Islas Piece: Banjo R.I.P.	Oscar Roman Gallery (MEX)
	Proceso Curator: Nadia Islas Piece: (Selected drawings and journals)	Gurú Galería (MEX)
2012	Creación en Movimiento Piece: Jardín de la Distopía	Center for the Arts San Luis P. (MEX)
	Support Program for Creation in Art & Media Showcase Piece: (Selected computer drawings)	National Center for the Arts (MEX)
	Paralelas Contemporáneas III Curator: Oscar Román Piece: Disección IV & III	Oscar Roman Gallery (MEX)
2011	Infographics Exhibition Curator: Spike Dennis Piece: 34612	Cardiff History Museum (GBR)
	Cardiff Design Festival Curator: Spike Dennis Piece: 34612	Sho Gallery, Cardiff (GBR)
	EXPO *BTCR Curator: Francisco Erazo, Jhavier Loeza Piece: (Selected Journals)	Architecture Department Gallery, UNAM (MEX)
2010	Arte Actual Piece: Miseria - Preludio	Contemporary Art Museum Aguascalientes (MEX)

AS CURATOR

2015	MAT End of Year Show (co-curator)	University of California Santa Barbara (USA)
2012	Algorithmic Topographies	University Museum of Sciences and Arts MUCA (MEX)
	Analogue Nostalgia	Sala Margolín (MEX)
2010	Preludio: Arte Digital Generativo	Luis Unikel Library (MEX)

PERFORMANCES

2018	Zvoki Soče Field recordings and visual notations	PIF Camp (SVN)
2017	The Aesthetics of Farewells Found footage and modular sounds	Santa Barbara Center for Art, Science and Technology (USA)
	Volcán Audio-visual live act	Systemics Lab - MAT (USA)
	MeanTime Live electronic improvisation	University of California Santa Barbara (USA)
2015	lu.ki.dus Electronic sounds for live microscopic images	California NanoSystems Institute (USA)
2013	NRMAL Festival Real time data performance	Centro de Cultura Digital (MEX)
	Procedencia Live electronics and analog graphics (with the duo Mr. Eddy)	Mutek Festival MX (MEX)
	Klik & Frik Live visuals for the Frikstailers duo	Mutek Festival MX (MEX)
	New Benshi Seshions (with the duo Mr. Eddy)	Mutek Festival MX (MEX)
	Procedencia (with Tana Barbier)	Ceremonia Festival (MEX)
	Connections Code generated narratives (with the Chamizo quartet)	Ceremonia Festival (MEX)
	Jardín de la Distopía Live bacteria growth and 3D Printing	Zona MACO Art Fair (MEX)
2012	La Vitesse de libération Code generated narratives	Alliance Française (MEX)
2011	Black Box Audio visual performance (with Mstrprgrmmr)	Woody Allen Cultural Center (MEX)
	Artefactos Generative collective performance	Ex-Teresa Arte Actual (MEX)
	/* Vivo Live coding performance	National Center for the Arts (MEX)
2010	Miseria/Preludio Algorithmic sound and images	National Center for the Arts (MEX)

PUBLICATIONS

EXHIBITION CATALOGS

2018	An Incomplete Compendium of Uncertainties Escalante, J.M., Realität Editions · Santa Barbara, CA 4 x 6 in / Pages: 48	The Glass Box Gallery (USA)
	Procedencia Escalante, J.M., Realität Editions · Santa Barbara, CA 5 x 8 in / Pages: 54	Santa Barbara Center for Art, Science and Technology (USA)
	MeanTime Escalante, J.M., Realität Editions · Santa Barbara, CA 6 x 9 in / Pages: 60	The Glass Box Gallery (USA)
2016	SV + VF Featured work: Microsonic Landscapes Yoon C Han · Los Angeles, CA 8 x 10 in / Pages: 29	Fellows of Contemporary Art (USA)
2015	Open Sources Escalante, J.M., Offert, F., MAT · Santa Barbara, CA 7 x 10 in / Pages: 116	University of California Santa Barbara (USA)
2011	Artefactos Escalante, J.M., Sánchez Nava, C., National University of Mexico, D.F. 6 x 9 in / Pages: 120	Ex-Teresa Arte Actual (MEX)

LIMITED-RUN EDITIONS

2018	Zvoki Soče Realität Editions · Soča 7 x 7 in / Pages: 30	PIF Camp (SVN)
2015	The Sound Digestive System MAT · Santa Barbara, CA 8 x 10 in / Pages: 120	University of California Santa Barbara (USA)
2014	Gozadero Stage: Algorithmic Works MAT · Santa Barbara, CA 10 x 8 in / Pages: 440 p	Festival Vive Latino (MEX)
2011	Algorithm Hermeneutics Realität Editions · Mexico City 8 x 10 in / Pages: 150	National Center for the Arts (MEX)
2010	Manifiesto Realität Editions · Mexico City 5 x 8 in / Pages: 440	

PAPERS AND BOOK CHAPTERS

2015	Escalante, J.M., The Sound Digestive System: a Strategy for Music and Sound Composition in: Proceedings of <i>EvoMUSART 2015, Network of Excellence in Evolutionary Computing</i> , Copenhagen (2015)	
	Escalante, J.M., (2012) (book foreword) . In Erazo, F, Lhoeza X, *. BTCR (pp. 4-7), Mexico City, MEX.:Universidad Nacional Autónoma de México	
	Escalante, J.M., (2008) Nuevos horizontes digitales . In Hernández, M.E., Hennings, V. "De otras historias, asuntos e interpretaciones de la arquitectura americana no divulgadas o poco conocidas." (), Mexico City, MEX. Centro de Investigaciones y Estudios de Posgrado de la Facultad de Arquitectura, Universidad Nacional Autónoma de México	

Escalante, J.M., (2006) **CTRL-X :: ¡No al copy/paste! Nuevos horizontes digitales/espaciales**. In Fuentes, E. "Las nuevas tecnologías y su inserción en la plástica tradicional". (pp 19-28) , Mexico City, MEX. Instituto de Investigaciones Estéticas. Universidad Nacional Autónoma de México

Escalante, J.M., (2004) **La Torre de Ingeniería**. In "Diseño en síntesis: reflexiones sobre la cultura del diseño", Universidad Autónoma Metropolitana, 14.34

Escalante, J.M., (2004) **Historia de una ciudad suspendida o todo es espacio**. In "Arquitectura y Humanidades", Universidad Nacional Autónoma de México

TEACHING EXPERIENCE

UNDERGRADUATE AND GRADUATE COURSES

University of California Santa Barbara (USA)
2017-2018

Introduction to Computer Programming for the Arts

Department: Art
Role: Instructor (Teaching Associate)
Quarters: spring (2018), fall (2018), winter (2019)

Special Topics in Multimedia Engineering

Department: Media Arts & Technology
Instructor: Karl Yerkes
Role: Teaching Assistant
Quarter: fall (2017)

Introduction to Photography

Department: Media Arts & Technology
Instructor: Rose Briccetti
Role: Teaching Assistant
Quarter: fall (2017)

Memory: An Interdisciplinary Exploration

Department: Media Arts & Technology
Instructors: Kenneth S. Kosik, Kim Yasuda, Cristina Pato
Role: Teaching Assistant
Quarter: summer (2017)

National Autonomous
University of Mexico (MEX)
2009-2014

Architecture and New Media

Department: Architecture - Master and PhD Design Program
Role: Instructor (Lecturer)
Semesters: 2013-B, 2013-A, 2012-B, 2012-A, 2011-B

Digital Generative Art (computer drawings)

Department: Architecture - Master and PhD Design Program
Role: Instructor (Lecturer)
Semesters: 2010-B

Sound Machines (algorithmic sound and images)

Department: Architecture - Master and PhD Design Program
Role: Instructor (Lecturer)
Co-Instructor: Hugo I. E. Almazán
Semesters: 2011-A

Artefactos (code & electronics)

Department: Architecture - Master and PhD Design Program
Role: Instructor (Lecturer)
Co-Instructor: Cecilia Sánchez Nava
Semesters: 2011-B

Analogue Nostalgia (digital and traditional print)

Department: Architecture - Master and PhD Design Program
Role: Instructor (Lecturer)
Co-Instructors: Claudia Arana, Mario Prado
Semesters: 2012-B

Grafia Manual Degenerativa
(experimental situationist code and drawings)
 Department: Architecture · Master and PhD Design Program
 Role: Instructor (Lecturer)
 Co-Instructors: Francisco Erazo
 Semester: 2013-B

Algorithmic Topographies
(code, 3D printing, animation)
 Department: Architecture · Master and PhD Design Program
 Role: Instructor (Lecturer)
 Semester: 2012-A

Complementary Topics in Architecture and Design
 Department: Architecture · Master and PhD Design Program
 Role: Instructor (Lecturer)
 Co-Instructors: Fernando Martín Juez, Alejandro Cabeza
 Semester: 2008-B

Online Publishing for Academia
 Department: Architecture · Master and PhD Design Program
 Role: Instructor (Lecturer)
 Semester: 2009-A

**WORKSHOPS/
SHORT COURSES**

2016	<p>Personal Mentorship Student: Çemre Koç Department: Computer Science Role: Mentor Duration: 1 month</p>	<p>University of California Santa Barbara (USA)</p>
2014	<p>PreGrama Department: Architecture · Graduate Program Role: Instructor Duration: 1 week</p> <p>Microsonic Landscapes Department: Architecture · Graduate Program Role: Co-Instructor Co-Instructors: Julián Covarrubias, Hugo I. Escalante Duration: 1 week</p> <p>Interactive Visual Applications Venue: Centro de Cultura Digital CCD Role: Instructor Duration: 2 weeks</p>	<p>National Autonomous University of Mexico (MEX)</p> <p>National Autonomous University of Mexico (MEX)</p> <p>OFFF Festival MX (MEX)</p>
2012	<p>Generative Art Workshop Venue: Gray Area Foundation for the Arts Role: Instructor Duration: 1 weekend</p> <p>*/ vivo */ Live Coding Workshop Venue: Taller de Audio · Centro Multimedia Role: Instructor Duration: 2 weeks</p>	<p>Gray Area Foundation for the Arts (USA)</p> <p>National Center for the Arts (MEX)</p>
2007	<p>Podcast Production for Educational Purposes Department: FES Zaragoza Campus · Media Lab Role: Co-Instructor Co-Instructors: Carlos Bautista Duration: 3 months</p>	<p>National Autonomous University of Mexico (MEX)</p>
2006	<p>W3: Interactive Academic Contents for Online Publishing Department: Architecture · Graduate Program Role: Instructor Duration: 1 months</p>	<p>National Autonomous University of Mexico (MEX)</p>
2005	<p>W3: Interactive Academic Contents for Online Publishing Department: Architecture · Graduate Program Role: Instructor Duration: 1 month</p>	<p>National Autonomous University of Mexico (MEX)</p>

		Introduction to Online Academic Contents Department: FES Aragón · Art & Humanities Division Role: Instructor Duration: 1 month	National Autonomous University of Mexico (MEX)
2003		New technologies: Interactive Academic Content Creation on the web Department: FES Zaragoza Campus · Media Lab Role: Instructor Duration: 1 month	National Autonomous University of Mexico (MEX)
		The Production of New Distance Learning Technologies Department: FES Zaragoza Campus · Media Lab Role: Instructor Duration: 1 month	National Autonomous University of Mexico (MEX)
		Interactive Pedagogical Media with Flash Department: Teaching Training Education Role: Instructor Duration: 1 month	National High School System Campus no.05 (MEX)
2002		Production of High Impact Learning Contents Department: Teaching Training Education Role: Instructor Duration: 1 week	Autonomous University of Chiapas (MEX)
2001		New technologies: Macromedia Flash Department: FES Zaragoza Campus · Media Lab Role: Instructor Duration: 3 months	National Autonomous University of Mexico (MEX)

ACADEMIC SERVICE

AFFILIATIONS

2015		Koç Lab (Designer) Department: Computer Science Status: active	University of California Santa Barbara (USA)
2013		Arte + Ciencia Think Thank (Member) Department: School of Philosophy Status: active	National Autonomous University of Mexico (MEX)

EDITORIAL BOARDS

2013		Bitácora Description: Peered Review Journal Department: Architecture Status: active until 2015	National Autonomous University of Mexico (MEX)
2005		Architectum Description: Peered Review Online Magazine Department: Architecture · Graduate Program Status: active until 2015	National Autonomous University of Mexico (MEX)

FOUNDED INITIATIVES

2012		PMX Processing Mexico As a part of the Processing Cities Network Status: active until 2015	
2006		Media Lab (founder) Department: Architecture · Graduate Program Status: active until 2014	National Autonomous University of Mexico (MEX)
2001		Media Lab (Co-Founder) FES Zaragoza Campus Status: active until 2018	National Autonomous University of Mexico (MEX)

**COMMITTEES AND
JURY DUTIES**

2018	Regional States Gran Program (PECDA) Responsibility: Electronic Media Juror State: Tlaxcala	National Endowment for the Arts (MEX)
2009	Poster Design Award for Sustainable Design II National Colloquium for Sustainable Design Responsibility: Juror	National Autonomous University of Mexico (MEX)
	II National Colloquium for Sustainable Design Responsibility: Academic Board Member	National Autonomous University of Mexico (MEX)
2007	I National Colloquium for Sustainable Design Responsibility: Academic Board Member	National Autonomous University of Mexico (MEX)
2006	International Conference in Architecture, Urbanism and Design Computation Responsibility: Academic Board Member	National Autonomous University of Mexico (MEX)

**INVITED TALKS
AND PANELS**

2018	Zvoki Soče / Sounds of Soča The MAT Seminar Series	University of California Santa Barbara (USA)
2015	Iterations: programar, cultivar, continuar Festival Salón Abierto	National Center for the Arts (MEX)
	The Sound Digestive System EvoStar Conference	National Museum of Denmark (DNK)
2008	Design Considerations for Website Design Case Study: The Architecture Department Panel: 4th Forum of Online Academic Publishing	National University of Mexico (MEX)
2007	Podcasts as a Tool for Learning International Symposium for Education and Technology	Mexican Society of Educational Technologies, SOMECE (MEX)
	Architecture in the Age of Post-Digital Revolution International Conference in Architecture, Urbanism and Design Computation	National Autonomous University of Mexico (MEX)
2006	¡No al copy/paste! Ciberespacio y nuevos horizontes espaciales Symposium: New Technologies and their Connection with Traditional Visual Arts	National Autonomous University of Mexico (MEX)
2004	Uqbar III Creative Practice Conference Traditional Visual Arts Campus: FES Aragón	National Autonomous University of Mexico (MEX)
2004	The Scientific Method: an Interactive Approach XX International Symposium on New Technologies and Computation	Mexican Society of Educational Technologies, SOMECE (MEX)
2001	Interactive Methods for the Display and Navigation of Architectural Plans II Ibero-American Summit of Innovative Pedagogical Material and Technologies for Education	Autonomous Metropolitan University, UAM (MEX)
2001	Interactive Games for Education Case Study: Vitaminas y Co-Enzimas International Symposium for Education and Technology	Mexican Society of Educational Technologies, SOMECE (MEX)
	A Virtual Microscope II Ibero-American Summit of Innovative Pedagogical Material and Technologies for Education	Autonomous Metropolitan University, UAM (MEX)
	Game Design for Education Case Study: Biochemistry II Ibero-American Summit of Innovative Pedagogical Material and Technologies for Education	Autonomous Metropolitan University, UAM (MEX)

The Optical Microscope, An Interactive Software
International Symposium for Education and Technology

Mexican Society of Educational
Technologies, SOMECE (MEX)

Interactive Tutorials for Bio-Chemistry Equations
International Symposium for Education and Technology

Mexican Society of Educational
Technologies, SOMECE (MEX)