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EDUCATION

M.S. Electrical and Computer Engineering
B.S. Electrical and Computer Engineering
Carnegie Mellon University - Pittsburgh, PA, USA

RESIDENCIES/ AWARDS

EAC Salla_Taller - Montevideo, UY (03/2023)
Programa coCiência - Belo Horizonte, BR (09/2021)
Zentrum der Netzkunst Online Residency - Berlin, DE (03/2020)
ARE Holland - Enschede, NL (01/2020)
Delfina Foundation Residency - London, UK (01/2019)
FACT BYO Residency - Liverpool, UK (07/2015)
Impakt WORKS Residency - Utrecht, NL (05/2015)
LABICMX, Ciudadania 2.0 - Veracruz, México (11/2014)
Unknown Territory Fellow, Hacktory - Philadelphia, US (10/2014)
I+D Residency, Telefónica - Barcelona, ES (07/2014)
Artist in Residence, Autodesk - San Francisco, US (03/2014)
VIDA 15.0 Art & Artificial Intelligence Award - Madrid, ES (10/2013)

EXHIBITIONS

Salla_Taller, EAC - Montevideo, UY (04/2023)
Condições de Existência, Oi Futuro - Rio de Janeiro, BR (11/2022)
Elasticity of Resilience, SAVVY Contemporary / panke.gallery - Berlin, DE (09/2022)
Jardim Mineral, Museu das Minas e do Metal - Belo Horizonte, BR (12/2021)
online onsite, BICA plataforma - São Paulo, BR (08/2021)
The Future for Today, Witch Institute - Kingston, CA (08/2021)
Algoritmo Cósmico, Galeria Zipper - São Paulo, BR (08/2021)
Confirm Humanity, homeostasislab.org - São Paulo, BR (05/2021)
Embodied Interface, embodiedinterface.com - Taiwan, TW (01/2021)
Bubbles In The Air, bubblesintheair.org - Mexico City, MX (06/2020)
stick.t.me, panke.gallery - Berlin, DE (06/2020)
The Circa Project, thecircaproject.com - São Paulo, BR (03/2020)
Signals and Words, XPO - Enschede, NL (03/2020)
El Exploratorio: Zona I, MoLAA - Long Beach, US (04/2018)
Periscópio, EAC - Montevideo, UY (11/2017)
Temporada Paço das Artes 2017, MIS - São Paulo, BR (10/2017)
Unsettled Artifacts, SIGGRAPH 2017 - Los Angeles, US (07/2017)
Mirror Mirror, MUDAC - Lausanne, CH (06/2017)
Humans Need Not Apply, Science Gallery - Dublin, IE (03/2017)
Making Plans, Human Resources Gallery - Los Angeles, US (03/2017)
Periscópio, Galeria Zipper - São Paulo, BR (07/2016)
FATA II, Galpão 27 - Atibaia, BR (06/2016 - 11/2016)
Digital POP, ADAF 2016 - Athens, GR (05/2016)
Art Gym, Tate Liverpool - Liverpool, UK (03/2016)
Ob_ject & Ob_serve, A Small View - Liverpool, UK (02/2016)
UnFollow, FACT - Liverpool, UK (02/2016)
Territory of the Imagination, Rubin Art Center - El Paso, US (11/2015)
Transitio_MX 06, Centro Nacional de las Artes - México City, MX (09/2015)
Unknown Territory, CRANE - Philadelphia, US (12/2014)
Acciones Territoriales, Ex Teresa - México City, MX (11/2014)

SP_Urban, FIESP - São Paulo, BR (11/2014)
Laboratório da Destruição, Nuvem - Rio de Janeiro, BR (09/2014)
Multitudes, SESC Pompéia - São Paulo, BR (06/2014)
Sight & Sound Festival, Eastern Bloc - Montréal, CA (05/2014)
Transmediale'14, Haus der Kulturen der Welt - Berlin, DE (01/2014)
Effect Lab, Museum Of Latin American Art - Long Beach, US (07/2013)
Festival Cidade Eletronika - Belo Horizonte, BR (09/2012)
Circuito Vivo arte.mov, Paço das Artes - São Paulo, BR (06/2012)

PUBLICATIONS

"xidxdx lxdx", cidade queer, uma leitora. Edited by: Júlia Ayerbe. Edições Aurora, 2017.

"0.25 FPS", What Urban Media Art Can Do: Why When Where and How? Edited by: Susa Pop, Tanya Toft, Nerea Calvillo, Dr Mark Wright, PhD. Avedition, October 2016.

"Maximization of Layout Printability/Manufacturability by Extreme Layout Regularity", Journal of Micro/Nanolithography, MEMS and MOEMS, Vol 6, 2007.

"Design Methodology for IC Manufacturability Based on Regular Logic Bricks", Design Automation Conference, June 2005.

PATENTS

"Robot",
USPTO number : 9358475, June 2016. Assignee: Beatbots, LLC.

"Systems and methods for calibrating light sources",
USPTO number : 9157795, October 2015. Assignee: Bot & Dolly, LLC

"Method and system for grouping logic in an integrated circuit design to minimize number of transistors and number of unique geometry patterns",
USPTO number : 7827516, November 2010. Assignee: Pdf Solutions, Inc.

WORK EXPERIENCE

Alexa Human Factors R&D, Amazon.com, New York, NY
Senior Design Technologist (2021 - 2023)

ZOAN, Helsinki, Finland (remote)
Technical Project Manager (2020 - 2021)

ThoughtWorks, São Paulo, Brazil
Senior Developer/Design Technologist (2017 - 2020)

CPMídias, São Paulo, Brazil
Technology Consultant/Developer (2016 - 2017)

FACT, Liverpool, England
Researcher in Residence (2015)

BeatBots, San Francisco, CA
Design Engineer (2013 - 2014)

Marginalia+Lab, Belo Horizonte, Brazil
Technical Coordinator (2012)

Museu da Imagem e do Som, São Paulo, Brazil

Technical Advisor (2010 - 2011)

PDF Solutions, San Jose, CA

Consultant Engineer (2008 - 2010)

Fabbrix, Pittsburgh, PA

Engineering Researcher (2006 - 2008)

Freescale Semiconductor, Austin, TX

Process Design Intern (2006)

Intel Corporation, Portland, OR

Circuit Design Intern (2005)

**OTHER
ACTIVITIES**

Silo - Art and Rural Latitude (2016 - present)

Founding associate member of Civil Society Organization of Public Interest dedicated to fostering and publicizing cultural projects in rural areas, with the aim of bringing about transdisciplinary exchange between art, science and technology.

Interactivos? (2020, 2019, 2018, 2016, 2013, 2012)

Advisor/tutor for the two-week residency and community program that takes place in the rural Itatiaia region of Rio de Janeiro, Brazil.

Crash (2016)

Advisor/mentor for week-long immersive residency designed to foster stronger community practices amongst emerging artists in the Northwest region of the UK.

HackNights (2015)

Instructor for a series of classes about electronics and programming. Delivered as part of a 9-month residency at FACT.

Programação Chata Para Pessoas Descoladas (2012)

Course designed to introduce artists and architects to the basic concepts of programming, and show how these can be used in expressive ways.