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Joaquín Díaz Durán

Mexico City, 1982

Joaquín was born in Mexico City (1982). He is working on Interactive Art and Robotics field; he is currently fathoming the multiple connections between artistic performance and robotics through the development of an Interactive Body Interface called Interfaz Cyborg. He is getting a PhD in the program of Research in Humanities, Arts and Education at University of Castilla-La Mancha (with the sponsorship of CONACYT, México).

Joaquín is actively engage in the Research Groups:

- FuzzyGab.4 at Universidad de Castilla-La Mancha (UCLM) since 2016, devoted to the research on Interface Design, Robotics Applied to arts, Interactive Cartographies and Sound Art. <http://fuzzygab.uclm.es>
- Interactivas 17 from MediaLab-Prado (Madrid) since 2017. In this group they develop diverse interactive/artistic devices, artworks, workshops and talks, all about interactive art. <https://interactivas17.wordpress.com>

Nowadays he is developing his research project Interfaz Cyborg in collaboration with MediaLab-Prado.

In August this year he participated in the development of sound design an performance at the Residency Program at Conde Duque Cultural Center in Madrid, for the artwork Probables Altruistas from Ilaria Vergani (Italy). The performance will have a season at DT Espacio Escenico, Madrid on mid November. <https://dtespacioescenico.com/temporada-2019-2020/probables-altruistas>

July this year he also participated at a creation residency at Festival Emergentes 8 for the proyect Ciudad Desplazada (Displaced City) from the director Jose Miguel Neira (Chile). For this artwork he develop the sound design coordinated the technology in use. <https://emergentes.eu/en/programacion-2019>

September this year he participated as a sound designer and performer for the project Una Noche with Ramona, showed at Teatro Pradillo (Madrid).

During March this year he lectures the workshops SenseRoom vs iSpace v1.0 at Fundación Telefónica, Madrid side by side with the Artist Sylvia Molina and the Workshop Body Interfaces at MediaLab-Prado side by side with the scientist Marta Timon.

<https://espacio.fundaciontelefonica.com/evento/senseroom-vs-ospace-v1-0>

<https://www.medialab-prado.es/actividades/interfaces-corporales-sensores-para-el-sistema-nervioso-teoria-basica-y-herramientas>

In 2018 the Interactivas 17 group were selected for participate in the festivals Interactivos?18 and Automáticas18 at MediaLab-Prado where they develop the projects:

- EcoRoboTotem, an Interactive robotic sculpture made with electronic wastes [medialab-prado.es/proyectos/eco-robototem](https://www.medialab-prado.es/proyectos/eco-robototem)
- La Danza de la Mente (The Spirits Mind), an interactive sound installation with a 3D space sound and biometrics interaction [medialab-prado.es/proyectos/la-danza-de-la-mente](https://www.medialab-prado.es/proyectos/la-danza-de-la-mente)

In 2017 he did a six-month interchange at the Faculty of Engineering and Faculty of Fine Arts at University of Porto (FEUP-FBAUP) in the Digital Media Program and Design Research Program.

In 2015 he was invited as a guest lecturer at Fine Arts Faculty at Universidad De Castilla-La Mancha.

In 2014 he got a master's degree in Visual Arts at Universidad Nacional Autónoma de México (UNAM), receiving the "cum laude" mention for his dissertation "Programmable Artwork".

He was research assistant at the Bio-robotics Laboratory of the Engineering Faculty at UNAM, where he develops the appearance of the humanoid robot Justina. biorobotics.fi-p.unam.mx

He attended a Bachelor course in Visual Arts with a major in sculpture, photography and he got a degree in stage design, at Universidad Nacional Autónoma de México (UNAM).

He has participated to several exhibitions in México, Spain, Portugal and Italy as well as producing and coproducing Exhibitions and Electroacoustic Music Concerts.

Joaquín also has full experience on teaching arts and multimedia in México as well as in Spain. He co-wrote the fine art section of the high school books "Secundaria Comunitaria Libro Multigrado" for the CONAFE, México.

LANGUAGES

TOEFL ITP 570 mark. April 2016.

Italian Intermediate

Portuguese Intermediate

TECHNOLOGICAL SKILLS

3D DESIGN for digital fabrication 3D printing and Laser Cutting

CAD SOFTWARE: Rhinoceros, MeshLab

PROGRAMMING on diverse languages: C++ (OpenFrameworks), C and Arduino, Processing, MAX/MSP, PD, Python (Basic Level)

Microcontrollers and SBC: Arduino Family, Bela.io and Raspberry PI

ROBOTICS: R.O.S., Design of robot fuselage and robotics applications, Experience in working with humanoid robots (General Purpose Assistance) Turtlebot programming, experience in working and designing for applications with Dynamixel actuators and other class of actuators

MACHINE LEARNING with Wekinator

3D SCULPTING, casting on plastics, silicones and rubbers and fiber glass applications

DESIGN SOFTWARE (ADOBE): Indesign, Illustrator, Photoshop, Premiere, Audition, After Effects

Audio design software and tools: Audio Kinetic Wwise, Reaper, Audacity, MAX/MSP, PD, Sonic Visualiser, Ableton Live, MIDI interfaces and Multichannel Audio Systems.

LINUX, Windows and MACOS

SCHOLARSHIPS AND GRANTS

2016 to date

Research Grant from National Council for Science and Technology (FINBA-CONACYT), Mexico, for international doctoral studies at University of Castilla-La Mancha.

2017

Erasmus + Grant as a Guest Researcher at Doctoral Studies in phDesign and Master in Digital Media at University of Porto, Faculty of Engineering and Faculty of Fine Arts, Portugal, February to September 2017.

2015 - 2016

Research Grant as a Guest Researcher at Fine Arts Faculty University of Castilla-La Mancha, Cuenca Spain. October 2015 to February 2016.

Research Grant for attending the International Contest on Robotics Robocup 2015, Hefei, China, 17-23 Julio. Given by Engineering Faculty, National Autonomous University of Mexico.

Research Grant for attending the International Contest on Robotics RockIn 2015, Lisbon, Portugal, 21-23 November. Given by Engineering Faculty, National Autonomous University of Mexico.

2014

Research Grant for attending the International Contest on Robotics Robocup 2014, Joao Pessoa, Brazil, 19-25 Julio. Given by Engineering Faculty, National Autonomous University of Mexico.

2011-2013

Master Scholarship. Master in Arts and Design. Faculty of Arts and Design, National Autonomous University of Mexico.

2013

Research Grant for attending the International Contest on Robotics Robocup 2013, Eindhoven, Nederland, 26-30 June. Given by Engineering Faculty, National Autonomous University of Mexico.

Grant to take part in the Interactive Art Exhibition Gab Num13 at French Institute of Valencia, 13 July. Given by Fine Arts Faculty, National Autonomous University of Mexico.

2012

Research Grant as a guest research at MIDE (International Museum of Electrografía), University of Castilla-La Mancha, Spain. November 2012 to January 2013.

Given by Fine Arts Faculty, National Autonomous University of Mexico.