

GUADALUPE BABIO

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SKILLS

Visual Design

Figma, Sketch, Photoshop, Illustrator, Indesign, After Effects, Miro, P5js

Programming

Python, JavaScript, HTML/CSS

Visual Programming

Grasshopper, Max, Isadora

Physical Prototyping

3D Printing, Lasercutting

Languages

English, Spanish, French

ACCOMPLISHMENTS

Leadership and Talks

MIT-Welingkar Institute, Mumbai, 2020
United Nations, New York, 2019
Cities Without Summit, Hamburg, 2019
Long Now Foundation, Cambridge, 2019
Guadalajara University, Guadalajara, 2018

Awards

Finalist FastCompany Design Award, 2020
Digital X, Norman Foster Foundation, 2019
Acha Urioste Scholarship, 2019
Finalist in "Des-Adarve" Art Contest, 2016

Exhibitions

Art of Motion. Guggenheim, Bilbao 2022 (expected)
With(in). 17th Biennale Architettura, Venice 2021
Slums Without. HCU, Hamburg, 2019
The Road Ahead. Cooper Hewitt, New York, 2019
Ideas para 7 Poblados. Madrid, 2018
Un Cuento Chino. Shanghai, Madrid, Seville, 2016

Publications

Urban Safety Perception Metrics in Conflict-Sensitive Informal Settlements: A Case Study of Lomas del Centinela, Guadalajara (Mexico). Izquiero L, Babio G et al. KDD Conference 2020
Tune Field: A Novel Antenna Based Controller for Musical Expression. Babio G, et al. NIME 2021
The Power of Without - Taxonomy of taxonomies. Babio G, et al. Informing the Informal, Inter-American Development Bank 2021

MIT Media Lab designer and researcher with experience in designing user interfaces, web and mobile technologies, and human-computer interaction seeking opportunities in UX design.

WORK EXPERIENCE

MIT Media Lab, City Science Group

Cambridge, MA

Designer and Researcher

Jul 2018 - Present

Created interactive experiences across platforms to enhance decision making and people's understanding of today's global challenges to better address them.

Conducted user research on lightweight infrastructure systems for rapidly urbanizing areas. Led the design and execution of a crowdsourcing website to identify and gather data of informal communities and simulate the impact of power related technologies.

Built generative 3d-models to simulate the urban fabric of settlements. 3d-printed and laser-cut pieces to help users successfully navigate an installation displayed at the Venice Biennale.

Collaborated to create a tangible data-enabled user interface that allow users to explore future mobility scenarios in a city, displayed for six months in New York's Cooper Hewitt Museum.

Developed custom PCBs, electronics and visuals for a music interface presented at NIME 2021.

Teaching Assistant

Sep 2019 - May 2020

Designed of the syllabus, programmed assignments and contacted external speakers, for "Settlements Without", a course taught by Professor Kent Larson and Norman Foster. Facilitated discussion sections, and conducted review sessions with students.

Polytechnic University of Madrid

Harvard University's Real Colegio Complutense

Cambridge, MA

Designer

Nov 2018 - Mar 2019

Directed brand strategy, designed and produced website, and digital content. Researched and analyzed competitive landscape to start a Nonprofit Organization for an education and scientific institution.

School of Architecture

Madrid, Spain

Design Assistant

Sep 2017 - Jun 2018

Coordinated with builders, suppliers and structural engineers to construct the machine shop and new polivalent classrooms.

Teaching Assistant

Mentored 50 students on architectural design processes.

Feb 2017 - Jun 2018

BDU Architects, Morphosis

Madrid, Spain

Architectural Assistant

Feb 2017 - Sep 2017

Developed design concepts and logistics for the XIII Biennale of Architecture at New York's Cooper Union and former Spanish Embassy in Washington DC.

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Master of Science in Media Arts and Science

2019 - 2021

Relevant Coursework: Interactive Design, Music and Technology, Creative coding, Bioengineering Design, and Software Studio.

Academic Advisor and Research Supervisor: Professor Kent Larson, Thesis Committee: Nicholas Negroponte and Dr. Luis Alonso

Polytechnic University of Madrid

Madrid, Spain

Master of Architecture

2017 - 2018

Bachelor of Architecture

2012 - 2017

Study Abroad: Tongji University, Shanghai. Technion University, Israel.