

Caitlin Morris

caitlinmorris.net

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Education

2010-2012

M.F.A. Design and Technology

Parsons the New School for Design, New York, NY

2006-2010

Dual B.S. Architectural Building Science, Psychology

Research Advisor: Dr. Mark Changizi

Rensselaer Polytechnic Institute, Troy, NY

Professional

2019

Research Affiliate, Fluid Interfaces group, MIT Media Lab

2016-2018

Lead Designer + Technologist, Hypersonic, New York, NY

Design and develop technology-driven sculptural installations for buildings and public spaces

Projects include:

Diffusion Choir: A field of suspended kinetic folding elements for permanent installation in Shire headquarters, Cambridge, MA. *Role:* Design, lead PCB and electrical systems design.

Designed and implemented custom electronics, millisecond-precision communication system, and motor control for 400 individually articulating elements.

Life of Tree: Suspended tree-like sculpture for permanent installation at the University of Utah, assembled from slices which rotate to reveal physical patterns of torsional springs in series. *Role:* Lead sculptural design, design and computational processing of 200 unique 3D printed components assembled into a 30 foot structure.

Water Ripples: Individually controlled kinetic droplets, installed at Grand Central Terminal for World Water Day. *Role:* Design, lead PCB and electrical systems design. Designed, prototyped, and fabricated electronics for control and communications across 600 motorized elements within a 3 month timeline.

2015

Artist in residence. *Work:* Body-tracking sculptural devices for acoustic and sensory distortion Museum of Art and Design, New York, NY

2013 – 2014

Artist / Researcher in residence, Interactive Media department
Fabrica, Treviso, Italy

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Press and Exhibitions

Public Art Network Year in Review winner 2017, *Life of Tree* [with Hypersonic]

Wired Magazine, *Anti-NIS Accessories: A series of wearables that create cognitive diversions from speculative surveillance technology (neuro-imaging surveillance)*, 2014

FastCompany, *Anti-NIS Accessories*, 2014

Dezeen, *Anti-NIS Accessories*, 2014

Exhibit: Future Everything, Manchester, 2014

Exhibit: Tech Open Air Festival, Barcelona, 2014

Wired Magazine, *Sway: An immersive installation with over 100 embedded sensors that remixes an audio environment in realtime based on peoples' motion and interaction in the space*, 2014

Noisey (Vice): *Sway*, 2014

Vogue Italia: *Sway*, 2014

Exhibit: Sonar Festival Barcelona, 2014

Exhibit: Wearable Futures, London, 2013

Teaching

2016-2018

Adjunct Faculty, Integrated Digital Media at Tandon School of Engineering

New York University, NY

Courses taught:

Creative Computing (BS level: Processing, p5.js, Python)

2015-2017

Faculty, School for Poetic Computation, New York, NY

Courses on electronics, programming, and fabrication, with an emphasis on the human-machine relationship and emotive systems.

2012 - 2015

Adjunct Faculty, Communication Design (BFA) and Design and Technology (MFA) Departments

Parsons the New School for Design, NY

Courses taught:

Creative Computing (BFA level: Processing and Arduino)

Generative Digital Fabrication (Mixed MFA / BFA / B.Arch level: intermediate Processing, 3D modeling, 3D printing, laser cutting, CNC milling, and paper prototyping)

Creativity and Computation Lab (MFA level: Processing, openFrameworks, Arduino, Javascript, jQuery)

August 2014

Faculty lead, School of Machines, Making, and Make-Believe, Berlin, Germany

Course on physical computing, digital interactivity, 3D modeling, fabrication, and simple robotics