

Experience	Sep '18 — Sep '2020	MIT Media Lab (Cambridge, United States) HCI Researcher at Tangible Media Group / M.S Candidate. Conducting research in ambient computing, tangible interfaces and functional materials. Awarded scholarship for MIT Media Lab Studies / LEGO Papert Fellowship.
	Jul '12 — Sep '18	Google (London, United Kingdom) Creative/Technical Lead at Google Creative Lab. Managed a rapid prototyping and R&D team. Initiated projects that scaled to launch: Project Bloks, NSynth Super. Launched Chrome Experiments and Google Products (Project Jacquard). Author of 4 filed patents.
	Dec '11 — Jul '12	Poke (London, United Kingdom) Senior Creative Technologist. Worked across technology and creative departments rapid prototyping of tangible interfaces, multisplay interactions.
	Jul '10 — Nov '11	Wieden+Kennedy (London, United Kingdom) Senior Creative Technologist. Technical lead on Nokia, Nike, Honda accounts. Designed and prototyped tangible and digital interfaces using brands APIs and platforms.
	Dec '09 — Jul '10	Pachube / Haque: Design+Research (London, United Kingdom) Creative Technologist. Designed and implemented the Pachube's frontend, built sensor/actuators prototypes and published technical documentation.
	Apr '08 — Jul '10	Fabrica (Treviso, Italy) Reseracher in Interactive Media Department. Awarded scholarship, ceated and developed Exquisite Clock (art project exhibited in Europe, America and Asia), co-created COLORS Online platform.
	Jan '04 — Apr '07	Osso Design (Belo Horizonte, Brazil) Interactive Creative Director, led interaction design of web platforms for studio clients. Directed two websites featured in TASCHEN: Digital Flashfolios book.
	Dec - '02 — Jan '04	Mosquito Project (Belo Horizonte, Brazil) Interaction Designer, Front-end Developer. Experimented using stopmotion techniques to create web experiences, created websites for artists and cultural institutions using JS and Flash
	Jul '-01 — Dec '02	Lazo (Belo Horizonte, Brazil) Web developer. Worked as a front end developer for company platforms, self-taught backend development using PHP.
Education	Sep '18 — Sep '20	Master in Science • Tangible Media Group MIT Media Lab — Cambrdige, USA. LEGO/Papert Fellowship
	Apr '08 — Jul '10	Grant Holder / Researcher FABRICA — Treviso, Italy. Full Scholarship
	Sep '07 — Jun '08	Master of Arts • Interactive Media Goldsmiths University — London, United Kingdom. Pass with distinction.
	Jan '01 — Jan '05	Bachelor of Art • Publicity and Advertising UNIBH University Centre, Belo Horizonte, Brazil. Pass with merits.

Tools/Skills Team leadership, ability to lead and work in complex projects and environments from project conception to design, prototyping, build and deployment. Ability to manage project teams, present to internal stakeholders and public press.

Creative direction, ideation, interaction design for digital platforms and hardware products.
user-centered design, UX & wireframing, digital design.

Highly skilled in software prototyping for interactive products and experiences (Python, C++, Open-Frameworks, Javascript, HTML5, AR, VR). Expertise in distributed, networked systems and communication protocols.

Experienced in Machine Learning concepts and algorithms, Ability to prototype experiences using Keras and Tensorflow and lead projects involving complex Machine Learning infrastructures.

Experienced in design and production of analog and digital circuits, embedded systems (Attiny and Atmel) and prototyping platforms (Arduino, RaspPi, Teensy). Avid maker skilled in CAD modelling (Fusion, Rhino) and fabrication for prototyping (CNC milling, molding and casting, 3D printing).

Recognition Exhibitions

Exquisite Clock

- Sep '12 - TEA Collective Wisdom. Museum of Contemporary Arts. Taipei, Taiwan
- Dec '11 - Poetry of Motion (Osaka, Japan)
- Dec '11 - The Kludgists (Belo Horizonte, Brazil)
- Mar '12 - Decode: Digital Sensations (Design Museum Holon. Holon, Israel)
- Nov '11 - Decode: Digital Sensations (CAFA Art Museum. Beijing, China)
- Feb '11 - Decode: Digital Sensations (CCC Garage. Moscow, Russia)
- Sep '11 - Milan Biennale (Time Pavillion. Milan, Italy)
- Oct '10 - Imaginaires (Lodz, Poland)
- Apr '10 - Decode: Digital Sensations (Victoria & Albert Museum. London, UK)
- Jun '11 - Maison et Objet (Paris, France)
- May '09- Graphic Design Festival (Breda, Netherlands)

Other

- Feb '14 - DevArt (Digital Revolution. Barbican Gallery. London, UK)
- Feb '14 - Assembly of Youth (UN Headquarters. New York, US)
- May '15 - Project Jacquard Launch & Demo (Google I/O. Moscone Center, San Francisco, US)
- May '18 - NSynth Super Launch / Exhibition (Google I/O. Shoreline Amphitheatre, MTV, US)
- Jun '16 - Project Bloks Launch (ISTE Denver, US)

Personal Work Published in Media

- Newsweek Magazine - 'Watching the Watchers' (UK)
- Design Week Magazine - Volume 25/Number 39: 'Rising Stars review' (UK)
- The 3D Type Book - FL@33 (UK) - 10.000 copies 1st edition
- MCD - Hors serie 06: 'Internet des Objets' magazine (FR)
- TEA - Collective Wisdom. 2012 International TechnoArt Exhibition Catalogue (TW)
- Taschen -Digital Flashfolios book (US)
- Medienkunst Vermitteln - Edith-Ruß-Haus (DE)
- Jungle Drums Magazine - 'Yesterday's Future' (UK)

Academic Papers

- Project Bloks: designing a development platform for tangible programming for children (white paper)
- milliMorph: Fluid-Driven Thin Film Shape-Change Materials for Interaction Design (UIST 2019)
- Patch-corde: an expressive patch cable for the modular synthesizer (NIME 2019)

Patents Filed

Project Jacquard • Gestures for Interactive Textiles. US20160283101A1
Project Bloks • Physical coding blocks. US9953546B1
Project Blocks • Haptic feedback system. US10055034B2

Awarded Projects

Jacquard

Cannes Grand Prix – Product Design, Innovation (2016)
D&AD Wood Pencil – Product Design, Innovative Product Design (2016)
D&AD Graphite Pencil – Digital Design, Tech Innovation (2016)

Assembly of Youth

D&AD Yellow Pencil - Digital Installation Design (2016)

Devart

Webbys Nominee - Websites: NetArt (2014)
Webbys Winner - Technical Achievement (2014)

Inside Abbey Road

Site of the Day - FWA (2015)
Site of the Week - FWA (2015)
Site of the Week - Awwwards (2015)
Pick of the Week - CommArts (May 2015)
Creativity Editors Pick (2015)
Ciclope Festival (2015)
Cannes Silver Lion - Digital: Website(2015)
Lovies Winner - Best HTML5 (2015)

Global Happy Party

AWWWARDS Honourable Mention
Winner Lovies Best Use of Photography

Devart

Shortlist Cannes Innovation Lions (2014)
Site of the Day - FWA (2014)
Site of the Day -Awwwards (2014)
Lovies Gold - Website: Social and community (2014)
Lovies - website: Experiential (2014)
Winner Communication Arts annual - Website Interactive (2014)
In book Creative Review Annual 2014 (2014)

Pachube:

Designs of the Year (2008)
World Technology Award (2009)

Jam with Chrome

Site of the Day - FWA (2014)
Cutting Edge Site of the week - FWA (2014)
Site of the Month - FWA (2014)
Site of the Month - Awwwards(2014)
SXSW - Sound Design (2014)
FITC - Experimental (2014)
D&AD Best In book - Crafts for Design / Sound Design (2014)
D&AD Best In book - Use of music for websites (2014)
D&AD Best In book - Digital design (2014)
Winner Webbys - Music (2014)
Honoree Webbys - Best Visual Design - Aesthetic (2014)
Silver Art Directors Club Website (2014)
Creative Review Annual Selected for Publication 2013 (2014)
Silver Pencil One Show Craft - Animation/Motion Graphics (2014)
Winner AICP Awards - website/microsite category (2014)

Kaiser Chiefs BeSpoke Album

D&AD - Yellow Pencil - Integrated & Earned Media
D&AD - Yellow Pencil - Digital Solutions & Use Of Social Media
D&AD - Shortlist - Websites
Cannes - Silver Cyber Lion - Viral Marketing
Cannes - Silver Cyber Lion - Publicity And Media
Creative Circle - Gold - Digital Campaign
Creative Circle - Silver - Website
- Campaign Big Awards - Gold - Interactive
Digital Music Awards - Best Artist Promotion
Q Magazine Awards - Innovation In Sound
Adobe Max Awards - Winner - Disruptive Design
Guardian Megas - 2nd Place - Best Digital Campaigns
Lab - Grand Prix 2012 - Best Creativity
Lab - Grand Prix 2012 - Best Social Media
Google - Think Quarterly
Lovies Awards - Silver