

Nicolás Peña-Escarpentier

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Creative technologist focused on creating immersive experiences that entice reflections from the audience

Education

New York University

New York, NY | May 2018

Interactive Telecommunications Program
Master's candidate
Tisch School of the Arts

Pontificia Universidad Católica

Santiago, Chile | Dec 2013

Structural Civil Engineer
Professional and Bachelor's degree

Skills

Programming

Javascript (three.js, p5.js)	Node.js
HTML/CSS	C#
Python	Git
Processing	Markdown
MaxMSP + Jitter	OSC
Matlab	LaTeX

Design

DaVinci Resolve	After Effects
Photoshop/GIMP	Illustrator
AutoCAD	Storyboarding

Prototyping

Arduino	Laser Cutting
Woodshop	3D printing

Emerging Technologies

Virtual Reality	Projection mapping
Mesh networks	IoT
Wearables	

Languages

Spanish: Mother tongue
German: Intermediate (*Sprachdiplom II*)

Relevant Coursework

Advanced Programming	Computational Media
Physical Computing	Intro to Fabrication
Animation	Open Source Cinema
Algorithmic Composition	Synthetic Architecture (VR)
Expressive Interfaces: Fashion	

Projects & Exhibitions

Everyday Windows [↗](#)

Fall 2017

A set of VR experiences to reflect on the sociopolitical aspects of everyday sexism. Project built on three.js and WebVR on a node server and connected to a physical Arduino-based controller via WebSockets. Exhibited at the ITP Winter Show 2017.

Extra [↗](#)

Fall 2017

An interactive conceptual exhibition piece. It combines a newspaper with sensors and projection mapping of news media to generate a reflection about media bombardment and the role of information. Exhibited at the ITP Winter Show 2017.

Mesh Media [↗](#)

Winter 2018

An independent mesh network platform for creators to distribute their own content, unfiltered by ISP inspection and possible blocking. A tool to confront the risks of losing the Net Neutrality regulations. Created at the Unglitch Net Neutrality Hackathon.

Experience

New York University

New York, NY | ITP Shop & Equipment Monitor

Jan 2018 - present

Assisting students on the correct usage of laser cutters, wood shop and other production tools. Supervision of safety and security in the shop. Maintenance of fabrication tools and audiovisual equipment.

Observatory Against Street Harassment

Santiago, Chile | Communications Volunteer

May 2016 - Sep 2017

Creation and edition of educative and challenging articles/columns to build empathy and convey problematic behaviors. Composition of high-traction viral videos prompting society to take action, shared on 13 major national news media sites.

Valladares Pagliotti & Associates

Santiago, Chile | Structural Engineer

Jul 2014 - Apr 2016

Leading and managing multidisciplinary teams, projects and clients in more than 15 engineering projects. Identifying and adapting adequate solutions, reaching agreements on all sides.

CIGIDEN

Santiago, Chile | Engineering Research Assistant

Aug 2013 - Nov 2013

Collaboration and reporting to different areas of the same wide scope research. Documentation and classification of data and different types of analysis and calculations.