

NATALIA DE LEÓN HERNÁNDEZ

Dipl. Architect from the Technical University
Simón Bolívar in Caracas, Venezuela

Profile

I developed interest on an interdisciplinary culture of **computational design** and the **art of manufacturing**. How **humans, machines** and **algorithms** co-exist. Prototyping alternatives futures with the use of techniques such as **casting, carpentry, 3d print&modeling, coding, front-end, generative** and **parametric design**.

Exhibitions

01.2021
11.2020

AS BELOW SO ABOVE :: BY TANGIBLE COLLECTIVE

@ Willow Gallery
Berlin, Germany

Sculptures:

- A Matter of Growth
- X3n05cu17ur3

2018

FÜR EINE NACHT IN DER ZUKUNFT

@ Lange Nacht der Wissenschaft
Humboldt Institute for Internet and Society -
Berlin, Germany

Sculptures:

- A Matter of Growth

Work Experience

01.2022
11.2021

PROJECT MANAGER

@ BigRep GmbH, Software Department, Digital
Solutions
Berlin, Germany

- Plan & develop projects
- Communication to customers
- Develop codes features

11.2021
11.2019

DATA AND PRODUCT DESIGNER

@ NOWLAB, Innovation Lab from Bigrep GmbH
Berlin, Germany

- Design by Data (Node Systems & Code)
- Product Design
- 3D printing - Computer Aided Manufacturing

12.2018
01.2016

DATA AND PRODUCT DESIGNER

@ Ligas Tischlerarbeiten GmbH
Berlin, Germany

- Design by Data (Node Systems & Code)
- Product Design
- Robotics - Computer Aided Manufacturing
- Woodworking

12.2015
01.2015

JUNIOR ARCHITECT

@ ART3 Project Entwicklung
Berli, Germany

- Development of project
- BIM

05.2014
10.2013

ARCHITECT INTERN

@ WAO Architecture Office & WOMA La Fabrique
de Quartier
Paris, France

- Introduction to **Design by Data**
- Digital Fabrication - Computer Aided Manufacturing
- Woodworking

Education & Training

08.2022 05.2022	UX/UI DESIGN • BOOTCAMP @ Ironhack Berlin, Germany	<ul style="list-style-type: none"> • Design Thinking, project management and leadership • Figma, CSS and HTML
10.2018	ROBOTIC 7-AXIS • WORKSHOP @ Lullin Engineering & HNEE Eberswalder Berlin, Germany	<ul style="list-style-type: none"> • Parametric robot control using KUKA prc, builds upon Grasshopper. • Produce Styrofoam molds for concrete casting
08.2018	CONSTRUCTION BIONICS • SUMMER SCHOOL @ School of Civil Engineering of the Technische Universität (TU) Dresden, Germany	<ul style="list-style-type: none"> • Bio-Inspired Concepts for the Building Environment • Smart Processes & Dynamics • Material Bionics & Smart Structures
07.2017	AA VISITING SCHOOL @ The Architectural Association School of Architecture Aarhus, Denmark	<ul style="list-style-type: none"> • Rethinking Patterns: Exploring Heterogenic Structures • Mesh Morphologies & Robotic Crafting • Styrofoam Pavillion Conception, Fabrication & Construction
06.2017	C# FOR GRASSHOPPER @ Parametric Support Berlin, Germany	<ul style="list-style-type: none"> • Basic Programming Language C#
04.2017 01.2017	MASTER PARAMETRIC DESIGN @ ContrIMAD Madrid, Spain	<ul style="list-style-type: none"> • Nurbs & Mesh Modelling • Structural Analysis & Optimization • Interoperability • Fabrication Strategies • Final Project: Hexa-llation
08.2014	DIGITAL DESIGN LITERACY @ École Nationale Supérieure D'Architecture Paris-Malaquais Paris, France	<ul style="list-style-type: none"> • Design by Data using Grasshopper
08.2012	DIGITAL FABRICATION • WORKSHOP @ USB-MedioDesign Barcelona, Spain	<ul style="list-style-type: none"> • Rhinoceros 3D • Grasshopper • CNC Milling - Computer Aided Manufacturing • Woodworking
08.2014 08.2008	DIPL. ARCHITECT @ Technical University Simón Bolívar Caracas, Venezuela	<ul style="list-style-type: none"> • Thesis: Architectural Explorations, A Cross-Disciplinary Culture of Computational Design and the Art of Manufacturing