

# IRENE RODRÍGUEZ VARA

M. ARCHITECT & M. CITY AND TECHNOLOGY

email. [irenervara@gmail.com](mailto:irenervara@gmail.com)

telephone. 0034 629 52 07 01

web. <https://irenervara.github.io/portfolio/>

Date and Place of Birth. Madrid (Spain). December 15th, 1989

## EDUCATION

### EDX: ONLINE JAVASCRIPT COURSE

Improve capabilities in HTML, CSS AND JAVASCRIPT

APRIL 2019

### Data Visualization Specialist

Workshop: *PERIODISMO DE DATOS 19*  
MediaLab Prado. Madrid

MARCH 2019

### MASTER IN CITY AND TECHNOLOGY

Institute for Advanced Architecture of Catalonia

Large variety of technological tools that are imperative for the multi-scalar representation and understanding of the urban environment. From coding, to Big Data manipulation, to simulations, to visualization and Geographical Information Systems (GIS).

Projects based on real-time data that can be further articulated into responsive systems and metabolic organisations, where small decisions can have a large impact on the urban scale.

OCTOBER 2017 - JUNE 2018

### PFC EXHIBITION MADRID 2015

COAM Madrid School of Architects

Final Project selected as part of the temporary exhibition of the best projects placed in Madrid.

### PRIZE BEST PFC 2015

CEU San Pablo University in Madrid

Based on the development of the different cycles of construction along time and how these cycles can interact with the whole urban ecosystem.

### PUBLICATION: SPAIN IN SEOUL. Design Magazine.

Spanish Design Exhibition in Dongdaemun Design Plaza, Seoul. Standalone project management and design of the event.

OCTOBER 2016

## WORK EXPERIENCE

### URBAN DIGITAL DESIGN ADVISOR: NEOM

*Freelance Project. In collaboration with Ecosistema Urbano*

Intervening in the urban digital design guidelines for NEOM project in Saudi Arabia. Studying the implementation of technology and the user experience in the urban space of a new city.

JANUARY 2022 - PRESENT

### PROJECT RESEARCHER: SIERRA LEONE

*Freelance Project. In collaboration with EPS CEU San Pablo in Madrid*

Data collection, analysis and visualization for the vulnerable urban areas reactivation in the city of Makeni, Sierra Leone.

JANUARY 2022 - PRESENT

### O-HB (Observatori Metropolità de l'Habitatge de Barcelona)

**Advanced urban data management, analysis and visualization.**

Development of tools for a better analysis, interpretation and understanding of the city. Research studies to overcome data gaps and orient housing policy making.

JULY 2019 - DECEMBER 2021

### URBAN DATA EXPERT: ACTIVAR CARABANCHEL

*Freelance Project. In collaboration with IED INNOVATION LAB - CITY LAB*

Urban, economic and social reactivation project in Carabanchel district in Madrid. Databases generation, analysis and mapping. Design of proposals and fabrication.

OCTOBER 2018 - JUNE 2019 | APRIL 2021 - PRESENT

### THE FUTURE OF COMMERCE IN BARCELONA

*Freelance Project*

A hypothetical map of its spatial distribution: analysis of the economic activities dataset to develop a data viewer that reflects the impact that the new commercial model will have in the future cities.

FEBRUARY 2020

### RESEARCHER and URBAN SPATIAL ANALYST

*Freelance Project. In collaboration with the Institute for Advanced Architecture of Catalonia.*

Research on public facilities coverage in the Barcelona Metropolitan Area. Cartographies on typologies, diversity, accessibility, and management, as well as maps to represent future scenarios for collaboration and fostering innovation.

AUGUST - NOVEMBER 2018

### SUMMER WORKSHOP - San Pablo CEU University in Madrid

Professor in introduction to the analysis and data visualization; basic tools for the understanding of the city.

JULY 2018

### LINEA architecture studio: Habitual contributor

Collaboration during the different phases that the architectural project requires. Residential and educational projects, especially.

2017 - PRESENT

### DANIEL VALLE ARCHITECTS

**MArch & Project Manager. Seoul, South Korea**

Architectonic design, development of building plans, diversity of contests, images and research (sustainability and technology).

JANUARY 2016 - JUNE 2017

# IRENE RODRÍGUEZ VARA

M. ARCHITECT & M. CITY AND TECHNOLOGY

email. irenervara@gmail.com

telephone. 0034 629 52 07 01

web. <https://irenervara.github.io/portfolio/>

Date and Place of Birth Madrid (Spain). December 15th, 1989

## EDUCATION

### MASTER DEGREE IN ARCHITECTURE

Escuela Politécnica Superior

CEU San Pablo University in Madrid

Architectural design of projects, as well as their development and management.

Construction, building technologies (structure calculation, electricity, sanitation, climate control) and urban planning, as support for a solid and coherent design.

SEPTEMBER 2007 - FEBRUARY 2015

### EXHIBITION *se alquila mercado*

*Mercado de la Cebada* in Madrid

Public exhibition of urban and social intervention projects in Madrid.

2013

### WORKSHOP IN ZHEJIANG UNIV. CHINA

Workshop CEU San Pablo University (Madrid. Spain) together with Zhejiang University (Hangzhou. China). Design proposals and urban strategies.

JULY 2013

### WORKSHOP MUÉVETE : study of movement, perception and scenography

EPS CEU San Pablo University in Madrid

2012

### BEST PROJECT 2012

Machine of processes. Chamartín.

Agents such as children or weather effects are responsible for transforming energy into beach, snow, lights and water parks.

2012

### WORKSHOP Sesiones Urbanas (urban sessions)

Madrid City Hall

NOVEMBER 2010

### COMPLEMENTARY ARCH. STUDIES

Revit Course (2013 La Lenonera Academy); SketchUp+Vray advanced courses (2010 and 2011 Studio Banana. Madrid. Spain); New technologies speech attendance (2015 COAM); ...

## LANGUAGES

### ENGLISH

speak / read / write C1 Level



### SPANISH

mother tongue



## WORK EXPERIENCE

### CHIASMUS architects. Seoul, South Korea

#### MArchitect

Responsible for the architectonic design, projects supervision and client relationships. Development of images, 3D modeling, building plans, physical models and sketches.

APRIL 2015 - JANUARY 2016

### PFC (Final thesis project) WORKSHOP SCHOLARSHIP

CEU San Pablo University in Madrid

Maintenance of the area related to Final Thesis Project. Acquiring knowledge about the use of Laser Cutting, 3D printing, CNC ...

SEPTEMBER 2014 - FEBRUARY 2015

### ABC Group. Junior architect

6 months internship. In charge of the design of a brand of restaurants in the international department, in collaboration with Chinese and US companies. As well as SANITAS License Management in consulting department.

AUGUST 2013 - FEBRUARY 2014

### LINEA architecture studio. Junior architect

Summer internship. In charge of layout and 3D modeling post, image of a rehabilitation project. Analysis of the current state and design of new proposals.

JUNE - SEPTEMBER 2012

### LINEA architecture studio. Junior architect

Summer internship. Development of Valdemoro Sport Club Basic Project.

JUNE - SEPTEMBER 2011

### PRISMA Construction. Junior architect

Part time. Development of Basic Project of residential buildings.

2011

## COMPUTER SKILLS

Autocad	●●●●●●●●	Rhino	●●●●●○○○	Html + CSS	●●●●●○○○
Photoshop	●●●●●●●●	Grasshopper	●●●●●○○○	Python	●●●●○○○○
Illustrator	●●●●●●●●	SketchUp+Vray	●●●●●○○○	GIS	●●●●●○○○
InDesign	●●●●●●●●	REVIT	●●●○○○○○	SQL	●●●●●○○○
After Effects	●●●●●○○○	CNC milling	●●●●●○○○	Arduino	●●●○○○○○
MsOffice	●●●●●●○○	3D printing	●●●●●○○○	Processing	●●●○○○○○
Unity	●●●●○○○○	Laser cutting	●●●●●○○○	Leaflet	●●●●○○○○
Carto	●●●●●○○○	Power BI	●●●●○○○○	App Inventor	●●●●○○○○