

# 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

### EDX: ONLINE JAVASCRIPT COURSE

Improve capabilities in HTML, CSS AND JAVASCRIPT

APRIL 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).

Development of 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.

### 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

## WORK EXPERIENCE

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

Expert in urban data analysis and visualization

Research and development of tools for better analysis, interpretation and visualization of housing data.

JULY 2019 - TODAY

### IED INNOVATION LAB. CITY LAB : Urban data expert

Urban, economic and social reactivation project in Carabanchel district in Madrid. Management of the first phase of the project: creation, analysis and mapping of the databases in the study area.

OCTOBER 2018 - JUNE 2019

### Data Visualization Specialist

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

MARCH 2019

### ELS EQUIPAMENTS A L'AMB : PREGUNTES DEL FUTUR

Urban and analytical study for the Metropolitan Area of Barcelona. Project coordinated by Vicent Guallart and the Institute for Advanced Architecture of Catalonia.

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 and assistant professor of digital fabrication.

JULY 2018

### DANIEL VALLE ARCHITECTS

MArch & Project Manager. Seoul, South Korea

Responsible for the architectonic design, development of building plans, contests diversity, images and research (sustainability, technology...).

Main projects: Mapo Gardens Design (SD. Artificial gardens, renewable energy fed, productive, cultural, technological and charged with urban programs) ; Aarhus School of Architect Competition ; Magok Competition (3rd Prize) ; Artificial Floating Beach (SD, DD) ; Seoul Daycare Center Competition (SD, DD, CD) ...

JANUARY 2016 - JUNE 2017

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

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

OCTOBER 2016

### 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

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## EDUCATION

## WORK EXPERIENCE

### EXHIBITION *se alquila mercado*

*Mercado de la Cebada* in Madrid

Public exhibition of urban and social intervention projects in Madrid.

2013

### WORKSHOP IN ZHEJIANG UNIVERSITY

CHINA

Workshop CEU San Pablo University (Madrid. Spain) together with Zhejiang University (Hangzhou. China). The program was based on the knowledge and ideas exchange, developing 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.

CEU San Pablo Jury's decision

2012

### WORKSHOP Sesiones Urbabas

(urban sessions)

Madrid City Hall

NOVEMBER 2010

### COMPLEMENTARY ARCHITECTURE

STUDIES

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

### 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. Monitoring in work and office.

JUNE - SEPTEMBER 2011

### PRISMA Construction. Junior architect

Part time. Development of Basic Project of residential buildings. Project monitoring in office.

2011

## LANGUAGES

### ENGLISH

speak / read / write C1 Level



### SPANISH

mother tongue



## COMPUTER SKILLS

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