

Glòria SERRA COCH

urban designer - planner

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With a background in architecture and urban design and my recent education in urban planning, my interest lies in being able to bridge the gap between the spatial analysis and the project, the understanding of the place and the design intended. I am interested in exploring the capacities of GIS and other analytical tools to comprehend and include all the perspectives of the urban realm, not only quantifying but also addressing qualitative aspects that highly impact lives of people in cities.

EDUCATION

MS Urban Planning. Degree Candidate, May 2019

Columbia University, New York City. Graduate School of Architecture, Planning and Preservation (GSAPP)

Concentration in **Urban Analytics**

Fellowship La Caixa 2017-2019

Editor at URBAN

2018-2019

Assistant Editor of the Urban Planning students magazine at GSAPP, Columbia

Architecture. 2009-2015

BarcelonaTech (UPC) Escola Tècnica Superior d'Arquitectura de Barcelona (ETSAB)

Bachelor and Master in **Architecture** and **Urban Design**. Licensed architect in Spain.

- **Exchange Program** 2013-2014. TU Delft, the Netherlands. 1st year Master at Faculty of Architecture and the Built Environment
- Graduation project **with honors**
- **Salutatorian** of graduating class

Writer and Editor at 3nta

2015-2016

Writer and Editor of urbanism in the online magazine **3nta, Learning From Students**

Mobilité et Urbanisme. 2016

MOOC online Course. École Polytechnique Fédérale de Lausanne (EPFL)

PROFESSIONAL PRACTICE

WXY architecture and urbanism studio

Urban Planning Intern. February 2019 - Present, New York

- Mapping and GIS analysis of the OneNYC plan update for the City of New York

BTA. Architecture and Urban Design Office

Participated in the design and management of architectural and urban projects, from preliminary studies to technical development with attention to social issues

Architect and Urban Designer. January 2016 - July 2017, Barcelona

- Developed urbanisation project in the neighborhood of Raval (Barcelona) with focus on community involvement
- Designed and provided technical execution of elderly residential centers (Sabadell, Mataró, Arenys and Granollers) and residential projects
- Analyzed industrial area to determine sites designated for historical preservation

Architecture intern. September 2014 - June 2015 Barcelona

- Developed technical plans of a residence for elderly people in Sabadell

AAIMM. Architecture and Urban Design Office

Architect and Urban Designer. October 2015 - December 2015, Barcelona

Developed master plan of an urban park for the water company of Barcelona **AGBAR** in Cornellà de Llobregat

- Established environmental related guidelines for constructions
- Developed strategy for natural purification of water
- Designed the access square of the Park

SKILLS

Hand-drawing and sketching, spatial analysis, methodology elaboration, visual communication through diagrams and maps, community engagement and outreach, abstract and relational thinking.

Computer Skills

ArcGIS, QGIS, AutoCad, Adobe Indesign/Illustrator/Photoshop, Sketch-Up, python, html/css notions, Revit (BIM). Rhino and LEAP (energy) courses

Languages

Catalan and Spanish. Native

English. Fluent. TOEFL iBT: 113/120 (2016)

French. Intermediate DELF B2 (2008)

ACADEMIC AND RESEARCH EXPERIENCE

Columbia University

Research Assistant for Professor Leah Meisterlin. June 2018 - Present, New York

- Developed a taxonomy on innovation districts in the United States
- Worked in the experimentation of new ways to analyse commuting in San Diego with GIS methods based on reconsidering the measure of time and distance.
- Analyzing the impact of the L train disruption.

Research Assistant at the Center for Spatial Research (CSR). June 2018 - August 2018, New York

- Analyzed methodologies to compare the Gridded Population of the World (GPWv3) and nighttime lights from VIIRS to find mismatches that reveal inequalities
- Created infrapolitics visualizations of Puerto Rico Bonds and Bogotá Street vendors.

BarcelonaTech. Polytechnical University of Catalonia (UPC). Architecture School of Barcelona

Researcher and Teacher. February 2016 - July 2017, Barcelona

Research group *Architecture, Energy and Environment* (AiEM)

Participated in government funded research projects *Mediterranean Urban Morphology* and *MOET*

- Researched morphological parameters affecting energy and human behavior in urban environments, focus on solar access, walkability and public space.
- Published articles in *Energies*, *Cities* and *ACE*
- Organized 2 international conferences and facilitated 2 workshop with *Keio University* (Japan) and *Sapienza University* (Roma)
- Guest lecture at the *Contemporary City* course Polimi (Milan) organized by co+labo

Teaching Assistant. September 2012 - July 2013, Barcelona

Càtedra Blanca Barcelona, Departament of Architectonic Projects

Research Assistant. collaborations 2013 - 2015, Barcelona

Research group *Architecture Energy and Environment* (AiEM)

PUBLICATIONS

- **Morfología Urbana Mediterranea. 2016.** *Mediterranean Urban Morphology.* ACE. Article published in Architecture, City and Environment, ACE 2016 N32 ISSN e 1886-4805.
- **Daylight Management in Mediterranean Cities. 2016.** *When Shortage Is Not the Issue.* Energies. Article published in the Special issue Energy Efficient City. Energies 2016, 9(9), 753; doi:10.3390/en9090753
- **Daylight Management in Mediterranean Cities. 2016.** *When Shortage Is Not the Issue.* Energies. Article published in the Special issue Energy Efficient City. Energies 2016, 9(9), 753; doi:10.3390/en9090753.
- **Solar Energy as a Form Giver for Future Cities. 2016.** Energies. Article published in the Special issue Energy Efficient City. Energies 2016, 9(7), 544; doi:10.3390/en9070544.
- **Consideraciones sobre la experiencia. 8 clases para estudiantes de arquitectura. 2013.** *Considerations from the experience. 8 classes for architecture students.* Carlos Ferrater. writing of the book text. Palimpsesto Editorial

CONFERENCES, WORKSHOPS AND LECTURES

- **Mapping Inventory: Evolution of Neighborhoods in New York City.** Urban Inventories/Inventaires Urbains. Centre de Design, UQAM. Conference about the relationship between mapping in planning. Montreal, March 2019.
- **Eixample. Cerda's Barcelona Plan.** Invited conference at Polimi Architecture School, as part of the co+labo workshop. Milan, 2016.
- **Movilidad y Urbanismo / Eixample. Cerda's Barcelona Plan.** IDERA Master, AiEM, UPC, Lectures at the Master of *Architecture and Environment: Integration of Renewable Energies in Architecture*, IDERA. Barcelona, 2016.
- **International Workshop, Mediterranean Urban Morphology.** La Sapienza-UPC. Teaching assistant at the 2nd workshop on Mediterranean Urban Morphology held in La Sapienza Università di Roma. Roma, May 2016
- **Mediterranean Urban Morphology.** MUM, AiEM, UPC. Support in the organization and participation in the Conference Meeting about Mediterranean Urban Morphology. Barcelona, April 2016
- **International Workshop. FABRICs.** Keio University - ETSAB UPC. Organization and teaching assistance of the International Architecture Workshop with Keio University (Tokyo). Barcelona, March 2016
- **Endangered Species.** AADIPA, COAC Architecture Association. Conference in the International Days about the Intervention in the Architectonic Heritage organized by AADIPA. Barcelona, November 2014