



# Curriculum Vitae et Studiorum

Graduated from the University of Florida with several years of experience as a project architect, architectural consulting, and grant researcher able to serve clients effectively. Moreover, possesses a positive attitude, great reliability and good work ethics. A team player with strong communication and interpersonal skills. Fluent in Spanish and English.

## PERSONAL INFORMATION

Full Name Maria Estefania Barrios Sastre  
Address 311 Burnt Mills Ave, Silver Spring MD 20901  
Phone (786) 865 2296  
E-mail mebs477@gmail.com  
Birthplace Uruguay  
Date of Birth April 29 1986  
Nationality Uruguayan + North American

## EDUCATION and TRAINING

Date (from - to) August 2009 - May 2011  
Title of qualification awarded **Architecture Associate in Arts**  
Name and type of organization providing education and training Miami Dade Community College - Miami, FL, USA  
Principal subjects/occupational skills covered Design Studio, Communications: Auto-CAD and Photoshop, Structures, Drawing, History of Architecture, Theory of Architecture, Trigonometry, Business Calculus, Physics, Materials and Construction, Environmental Technology, Algebra and English Composition.

Date (from - to) August 2011 - May 2013  
Title of qualification awarded **Bachelor of Design in Architecture**  
Name and type of organization providing education and training University of Florida - Gainesville, FL, USA  
Principal subjects/occupational skills covered Design Studio, Architectural History, Digital Architecture, Theory of Architecture, Materials and Methods of Construction, Structures, Environmental Technology, Site Survey, and Building Information Modeling.

Date (from - to) August 2013 - August 2015  
Title of qualification awarded **Master of Architecture with a Certificate on Sustainable Architecture**  
Thesis: "Re-energizing 1970's Social Housing: Uncovering the Hidden Potential of Public Housing Complexes  
Advisors: Prof. Martha Kohen and Assoc. Prof. Lisa Huang  
Name and type of organization providing education and training University of Florida - Gainesville, FL, USA  
Principal subjects/occupational skills covered Design Studio, Landscape Design, HVAC Systems, Research Methods, Structures, LEED Green Buildings, Site Design, Professional Practice, Public Housing, Sustainable Design, and Building Information Modeling.

Date (from - to) May 2014 - May 2016  
Title of qualification awarded **Master of Construction Management**  
Name and type of organization providing education and training University of Florida - Gainesville, FL, USA  
Principal subjects/occupational skills covered Temporary Structures, Construction Law, Cost Analysis, Comprehensive Estimating, Scheduling, Soils and Concrete, Construction Ecology and Metabolism, Building Research, , Site Survey, Construction Safety, Construction Methods, Project Management and Delivery, and Sustainable Housing.

Date (from - to) November 2020 - November 2025  
Title of qualification awarded **Ph.D. Candidate**  
Name and type of organization providing education and training La Spienza University - Rome, Italy  
Principal subjects/occupational skills covered A Living Challenge: Public Housing in time of pandemic, urban centers adaptation and the fight for equitable housing

## PROFESSIONAL EXPERIENCE

Date (from - to)	December 2022 to present
Occupation or position held	<b>Solution Specialist - Architecture</b>
Name and address of employer	Microdesk - 1001 Connecticut Ave NW #1128, Washington, DC 20036
Type of business or sector	Architectural / BIM Consultant
Main activities and responsibilities	BIM execution specialist for BIM Architecture
Date (from - to)	September 2017 to present
Occupation or position held	<b>Research Associate - Center for Hydro-generated Urbanism (CHU)</b>
Name and address of employer	University of Florida, School of Architecture - 1480 Inner Rd. #262, Gainesville, FL 32611
Type of business or sector	Academic Research and Project Development.
Main activities and responsibilities	Coastal Cities and Climate Change Research, Puerto Rico Re_Start International Workshop Coordinator and Assoc. Director 2017-2023, Low-income Housing Solutions, Sea Level Rise Strategies, and Urban Planning Assistance.
Date (from - to)	March 2022 to September 2022
Occupation or position held	<b>Project Architect and Co-coordinator</b>
Name and address of employer	Volusia County Fairgrounds - 3150 E New York Ave, DeLand, FL 32724
Type of business or sector	DEO Technical Assistance Grant
Main activities and responsibilities	Develop a Comprehensive Master Plan for the Volusia County Fairgrounds, Present to City Council.
Date (from - to)	February 2020 to March 2022
Occupation or position held	<b>Project Architect + Assistant Project Manager</b>
Name and address of employer	Stoiber and Associates Architecture & Interiors - 1621 Connecticut Ave NW #200, Washington, DC 20009
Type of business or sector	Architecture and Interior Design Firm
Main activities and responsibilities	Affordable Housing, Healthcare, Retail, Commercial and Entertainment Facilities. Project Development and Coordination, Site Survey, Client Meeting and Representation, Revit Modeling, Building Inspections, Reports Development, Feasibility Studies, Construction Drawings and Specifications.
Date (from - to)	November 2021 to May 2023
Occupation or position held	<b>Project Team Member</b>
Name and address of employer	Upper Suwannee River Resilience Plan for Columbia County and the Town of White Springs
Type of business or sector	DEO Rebuild Florida General Planning Support Program
Main activities and responsibilities	Develop a Flood Mitigation Plan that Will Identify at Risk Critical Infrastructure and Vulnerable Communities.
Date (from - to)	September 2017 to November 2018
Occupation or position held	<b>Project Co-designer and Researcher</b>
Name and address of employer	Clay County Fairgrounds - 2497 FL-16, Green Cove Springs, FL 32043
Type of business or sector	DEO Technical Assistance Grant
Main activities and responsibilities	Improvement Plan for Clay County Fairgrounds, Develop a Comprehensive Master Plan for Future Fairgrounds' Expansion, and Present Project to City Counsel for Approval. Project Approved for a 22M Improvement Budget.
Date (from - to)	October 2017 to April 2018
Occupation or position held	<b>Project Co-designer and Researcher</b>
Name and address of employer	Crescent City, Florida - 3 N. Summit Street, Crescent City, FL 32112
Type of business or sector	DEO Technical Assistance Grant
Main activities and responsibilities	City of Crescent City Urban Center Redevelopment Plan, Identify Public Assets for Developing Historic-Based Tourism Opportunities, and Generate a Design Concept for Central Avenue, and Access to Crescent Lakes.

Date (from - to)	May 2016 to July 2017
Occupation or position held	<b>Designer</b>
Name and address of employer	Self-employed - Punta del Diablo - Rocha, Uruguay
Type of business or sector	Remodeling Family Beach Home
Main activities and responsibilities	Prepare Drawings, Specifications and Supervision of Construction.
Date (from - to)	August 2014 to April 2016
Occupation or position held	<b>Continuing Education Class Preparer for State Educational Facilities Design</b>
Name and address of employer	Florida Department of Education - University of Florida - 1480 Inner Rd. #262, Gainesville, FL 32611
Type of business or sector	Online Class for Registered Architects
Main activities and responsibilities	Restructure Online Class, Update Building Codes and ADA Requirements, Produce Drawings, Diagrams and Presentation of Subjects.
Date (from - to)	August 2013 to April 2016
Occupation or position held	<b>Web master + Assistant</b>
Name and address of employer	University of Florida, School of Architecture - 1480 Inner Rd. #262, Gainesville, FL 32611
Type of business or sector	Management of School Website
Main activities and responsibilities	Web Content and Promotion of School Events and Activities.

**PERSONAL SKILLS  
and COMPETENCES**

Native Language(s)	Spanish
Other language(s)	English (Advanced), Italian (Beginner) and Portuguese (Beginner)

**TECHNICAL SKILLS  
and COMPETENCES**

- BIM - Revit
- Rhino
- Auto-CAD
- Sketch Up
- Adobe Suite
- V-Ray
- 3D Max
- Grasshopper
- Climate Consultant
- RS Means
- Quantity Take Off
- Primavera
- Navisworks
- BIM 360 Glue
- GIS
- Microsoft Office
- Laser cut
- 3D Print
- ECOTECT

**CONFERENCES and  
WORKSHOPS**

Date	July 28 <sup>th</sup> , 2022
Location	Marriott Courtyard Convention Center
Name of Event	<b>Washington D.C. Affordable Housing Summit</b>
Main activities and responsibilities	Attendee

Date	August 11 <sup>th</sup> , 2022
Location	NY Marriott Downtown
Name of Event	<b>New York City Affordable Housing Summit</b>
Main activities and responsibilities	Attendee
Date	March 22 <sup>nd</sup> - 28 <sup>th</sup> , 2020
Location	Online Platform via Zoom Meetings
Name of Event	<b>Puerto Rico Re_Start 3 E International Project and Research Workshop: Under Emergency</b>
Main activities and responsibilities	Associate Director and Organizer
Date	November 16 <sup>th</sup> , 2019
Location	GW University   Elliott School of International Affairs, Washington, DC
Name of Event	<b>Puerto Rico Puerto Ricans, Diaspora Summit 2019</b>
Main activities and responsibilities	Attendee
Date	September 20 <sup>th</sup> - 21 <sup>st</sup> , 2019
Location	Hunter College   Silberman School of Social Work, New York
Name of Event	<b>Puerto Rico Puerto Ricans, Diaspora Summit 2019: Rebuild Puerto Rico Two years after Maria</b>
Main activities and responsibilities	Action Fair Open House Participant for the Center for Hydro-generated Urbanism
Date	March 22 <sup>nd</sup> - 30 <sup>th</sup> , 2019
Location	Polytechnic University of Puerto Rico, San Juan, Puerto Rico
Name of Event	<b>Puerto Rico Re_Start 2 International Project and Research Workshop: The Project of the Future</b>
Main activities and responsibilities	Organizer
Date	January 7 <sup>th</sup> - 10 <sup>th</sup> , 2019
Location	Omni Shoreham Hotel, Washington, DC
Name of Event	<b>National Council for Science and the Environment: Sustainable Infrastructure &amp; Resilience</b>
Main activities and responsibilities	Session Group Member: Design-Based Leadership for Resilience and Climate Adaptation in Florida
Date	October 1 <sup>st</sup> - 5 <sup>th</sup> , 2018
Location	Palacio de Convenciones - La Habana, Cuba
Name of Event	<b>OTU 2018 - XVI Convencion Internacional de Ordenamiento Territorial y Urbanismo</b>
Main activities and responsibilities	Guest Speaker: Panel 1: Re-energizing 1970's Social Housing Panel 2: Puerto Rico, Inclusive Methodology Focused on Quickly Recovery Proposals after Hurricanes Irma and Maria
Date	July 26 <sup>th</sup> , 2018
Location	100 Convention Blvd., San Juan, Puerto Rico
Name of Event	<b>FEMA Leveraging Resources Today to Rebuild Puerto Rico's Tomorrow: Transportation Summit</b>
Main activities and responsibilities	University of Florida Delegation Member and Stand Organizer
Date	June 15 <sup>th</sup> , 2018
Location	Facultad de Estudios Generales - University of Puerto Rico, San Juan, Puerto Rico
Name of Event	<b>Center for Puerto Rican Studies: Resiliencia y Solidaridad</b>
Main activities and responsibilities	Moderator: Education Panel
Date	May 11 <sup>th</sup> - 12 <sup>th</sup> , 2018
Location	Hunter College   Silberman School of Social Work, New York
Name of Event	<b>Diaspora Summit III</b>
Main activities and responsibilities	Panel Speaker: Academic and Civic Exchanges

Date	March 16 <sup>th</sup> - 25 <sup>th</sup> , 2018
Location	University of Puerto Rico, San Juan, Puerto Rico
Name of Event	<b>Puerto Rico Re_Start 1 International Project and Research Workshop</b>
Main activities and responsibilities	Organizer and Team 1 Director of the Housing Resiliency and Community Planning Design Lab 3.
Date	December 1 <sup>st</sup> - 3 <sup>rd</sup> , 2017
Location	University of Florida, Gainesville
Name of Event	<b>6<sup>th</sup> International Network of Tropical Architecture Conference: Tropical Storms as a Setting for Adaptive Development and Architecture</b>
Main activities and responsibilities	Assistant Organizer
Date	November 15 <sup>th</sup> , 2017
Location	University of Miami, FL
Name of Event	<b>Keeping Current Summit: A Sea Level Rise Challenge for Greater Miami - The Van Alen Institute</b>
Main activities and responsibilities	Recorder
Date	October 18 <sup>th</sup> - 20 <sup>th</sup> , 2017
Location	Hilton Daytona Beach, FL
Name of Event	<b>Florida Redevelopment Association: Growing Communities and Building Opportunities</b>
Main activities and responsibilities	Panel Team Member: Community Partners for Workable Visioning Projects
Date	March 7 <sup>th</sup> - 11 <sup>th</sup> , 2016
Location	University of Florida, Gainesville, FL
Name of Event	<b>UNESCO World Field Lab: Sea Level Rise and the Future of Coastal Settlements</b>
Main activities and responsibilities	Design Team Member

## RESEARCH INTEREST

Subjects Affordable Housing, Public Housing, Sustainability, New Materials, Emerging Technologies, Sea Level Rise, Climate Change

## PUBLICATIONS

Date	September 2022
Title of Publication	<b><i>Volusia County Fairgrounds Master Planning Research Project</i></b>
Role	Editor + Designer
Institution	University of Florida, Center for Hydro-generated Urbanism
Website	<a href="https://issuu.com/whitespringsi/docs/vcf_-_final_report_pages">https://issuu.com/whitespringsi/docs/vcf_-_final_report_pages</a>
Date	July 2022
Title of Publication	<b><i>Puerto Rico Re_Start 4: The East Region 2045</i></b>
Role	Editor + Designer
Institution	University of Florida, Center for Hydro-generated Urbanism
Website	<a href="https://issuu.com/whitespringsi/docs/prrs_4_short_version_pages">https://issuu.com/whitespringsi/docs/prrs_4_short_version_pages</a>
Date	September 2020
Title of Publication	<b><i>Miami-Dade &amp; the Biscayne Bay Futures - Resiliency   Infrastructure - Collectanea</i></b>
Role	Editor + Designer
Institution	University of Florida, Center for Hydro-generated Urbanism
Website	<a href="https://issuu.com/whitespringsi/docs/miami_dade_book_-_pages_sm">https://issuu.com/whitespringsi/docs/miami_dade_book_-_pages_sm</a>

Date July 2020  
 Title of Publication **Puerto Rico Re\_Start 3 E: Under Emergency - Executive Summary**  
 Role Editor + Designer  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website [https://chu.dcp.ufl.edu/puerto-rico-re\\_start/](https://chu.dcp.ufl.edu/puerto-rico-re_start/)  
 Date August 2019  
 Title of Publication **Puerto Rico Re\_Start 2 - Executive Summary**  
 Role Editor + Designer  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website [https://chu.dcp.ufl.edu/puerto-rico-re\\_start/](https://chu.dcp.ufl.edu/puerto-rico-re_start/)

Date October 2018  
 Title of Publication **Resilience After the Storm: Helping a Stronger Puerto Rico after Hurricane Maria**  
 Role Interviewed  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website <https://spark.adobe.com/page/WgLKePmQKxIBJ/>

Date June 2018  
 Title of Publication **Puerto Rico Re\_Start 1 - Executive Summary**  
 Role Editor + Designer  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website [https://chu.dcp.ufl.edu/puerto-rico-re\\_start/](https://chu.dcp.ufl.edu/puerto-rico-re_start/)

Date November 2018  
 Title of Publication **City of Crescent City - Revitalizing the City of Crescent City Core**  
 Role Editor + Designer  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website <https://chu.dcp.ufl.edu/city-of-crescent-city-2/>

Date April 2018  
 Title of Publication **Clay County Fairgrounds Master Plan**  
 Role Editor + Designer  
 Institution University of Florida, Center for Hydro-generated Urbanism  
 Website <https://chu.dcp.ufl.edu/clay-county-fairgrounds/>

Date May 2016  
 Title of Publication **Golf View: Presenting an Integrated Neighborhood Infrastructure for the 21<sup>st</sup> Century**  
 Role Co-Editor + Designer  
 Institution University of Florida  
 Website 978-1-365-13766-2

Date May 2016  
 Title of Publication **Re-energizing 1970's Social Housing**  
 Role Master's Thesis  
 Institution University of Florida  
 ISBN

Date June 2015  
 Title of Publication **New Architecture Magazine: Diversity and Integration: Modernity Construction of Latin American Architecture** - Issue No.163  
 Role Assistant Editor  
 Institution Wuhan University, China  
 ISBN