

MARTIN IGNACIO FERNANDEZ

KMARTINF@gmail.com

MartinFernandez.NET
(1) 786 - 383 - 9332

EDUCATION

HARVARD UNIVERSITY

Graduated School of Design
Master of Architecture

UNIVERSITY OF FLORIDA

Bachelors of Design
Cum laude: 3.7

FLORIDA ATLANTIC UNIV

Bachelor of Architecture
transient

BROWARD COLLEGE

Associates in Architecture
Cum laude: 3.2

MEDIA

LinkedIn

[linkedin.com/in/kmartinf](https://www.linkedin.com/in/kmartinf)

Instagram

[instagram.com/mardeleons](https://www.instagram.com/mardeleons)

Website

martinfernandez.net
bitsnbricks.org
zerengery.com

Reference
upon request

DESIGN AND TECH

2024 CERTAIN MEASURES

Sept 2019 - ongoing - Boston / Supervision: Andrew Witt

2023 - MUSEUM OF THE FUTURE, DUBAI: Designed, coordinated with artists and contractors, and produced data viz with AEffect scripting for an exhibition on climate remediation by speculative synthetic biology.

2022 - COPPER UNION, NEW YORK: Installation of the Exhibition. Set all media and wiring systems in place. Monitor and fix any irregularities during the live exhibition.

2021 - CLARK PACIFIC PARKING LOT CONFIGURATOR: Designed UX/UI in Figma for client survey, developed in Unity, deployed in WebGL Heroku Application & MERN stacked backend settings.

2020 - AIIIII CENTER, SHANGAI: Circular Economy exhibition - Rhino Grasshopper parametrical design + fabrication 15 feet cubic sculpture.

2019 - CENTRE POMPIDOU, PARIS: Video Editing and GIS Mapping for exhibition based on airport footprint using machine vision.

2019 - BARBICAN CENTRE, LONDON: Video Editing and GIS Mapping for an exhibition based on the housing footprint of London using machine vision.

2019 INVIVIA

Design proposals for the renovation of a physics research campus into an innovation hub. Design package of modular concrete units into an arch system. Summer 2019 - Cambridge / Supervision: Allen Sayegh

TEACHING

2024 UNIVERSITY OF PENNSYLVANIA / STUART WEITZMAN SCHOOL OF DESIGN

Teach Design Studio AAD702 / MSD-AAD / Advanced Architecture Design / The Studio introduces Assemblies, Systems, and Tectonics principles of design. Fall 2023 - ongoing - Supervisor: Director Ali Rahim

2023 SYRACUSE UNIVERSITY / SCHOOL OF ARCHITECTURE

Taught Design Studio IV ARC208 / B.Arch program / The sequence introduce Mapping, Landscape Architecture, and Architecture principles of design. Spring 2023 - Supervisor: Associate Dean Kyle Miller

ARCHITECTURE

2018 HARVARD UNIVERSITY: CAMPUS DESIGN & PLANNING

One to two months feasibility studies for potential expansion/renovation of dormitories and landscape updates for Harvard University Campus. May 2018 - July 2019 - Cambridge / Supervision: Assistant Dean Nazneen Copper

2015 ARQUITECTONICA

Programmatic/Schematic Design for mixed residential (condo, rental, hotel) projects of large scale in South Florida. Summer 2015 - Miami / Supervision: Vice President Alejandro Gonzalez

2014 GENSLER

Programmatic/Schematic Design and Design Development for core and shell Office Buildings, Tech headquarters, and interior design office fits-outs. June 2014 - June 2015 - San Francisco / Supervision: Principal Hao Ko.

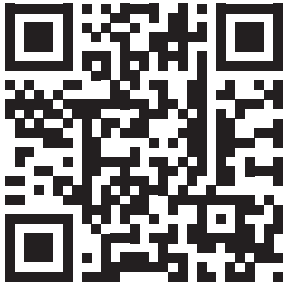
CONSTRUCTION

2017 HOUSE ZERO

Fabricated and assembled a hexagon panel system inside Harvard's House Zero. Coordination with Snohetta. Use CNC Routing, coordinated with supplier for insulation and fastening, and pre-assembling panel before installation. Sept 2017 - July 2018 - Cambridge / Supervision: Caleb Mar Hoover

2008 MARES INSTALL

Drafted documents in AutoCAD and worked with a team of installers to design and construct marble patterns in residential to commercial scale projects. May 2008 - Aug 2010



MARTIN IGNACIO FERNANDEZ

KMARTINF@gmail.com

MartinFernandez.NET

(1) 786 - 383 - 9332

PROFICIENCY

4D

Rhinoceros
Grasshopper
Blender
Unity

3D

Laser Cutting
3D Printing
CNC Routing
Physical
Modeling

2D

Miro
Figma
Adobe XD
Photoshop
Illustrator
After Effect
InDesign
Premier
Drafting
Autocad
ArcGIS
Vray

1D

Spanish
Html / Css
MERN Stack
Processing
Javascript
Three.js
Github
D3.js
WebGl
C#

LECTURES / WORKSHOP

2023 WORKSHOP - ANIMATION TECHNIQUES

Goli Jalali's Option Studio Magic Carpet II at The University of British Columbia School of Architecture and Landscape Architecture.

LECTURE - BITS AND ASHES

Goli Jalali's Option Studio Magic Carpet II at The University of British Columbia School of Architecture and Landscape Architecture.

LECTURE - LANDSCAPES TECHNIQUES

Landscape Techniques for Utilities Camouflage at Slocum Hall at Syracuse University.

2022 LECTURE - BITS AND ASHES

Goli Jalali's Option Studio Magic Carpet I at The University of British Columbia School of Architecture and Landscape Architecture.

RESEARCH

2023 ARCHITECH: independent research

Research on disrupted technologies on architecture typologies.
Jan 2023 - ongoing

2019 OFFICE OF DIVERSITY: research assistant

Research / Publication for Typology of Big Words.
instructor: Sergio Lopez Pineiro - Sept 2018 - June 2019

2014 MATERIAL INVESTIGATION: independent research

Investigated techniques to bent, joint and rust steel.
Constructed ceiling system panel. - instructor: Lisa Huang - Spring 2014

TEACHING ASSISTANT

2019 HARVARD GSD - M.ARCH I - CORE 2: teacher assistant

Logistics and course preparation - instructor: Tom Depaor - Spring 2019

2018 SUMMER MAPPING PRE-TERM WORKSHOP: teacher assistant

Assisted with ArcGis, Photoshop, Illustrator, Rhinoceros 3D, Plotting.
instructor: Robert Pietrusko - August 2018

2013 UNIVERSITY OF FLORIDA - B.DESIGN - DESIGN IV: teacher assistant

Assisted student with analyzing, constructing, and diagramming academic architecture projects instructor: Albertus Wang - Spring 2013

PUBLICATIONS / EXHIBITIONS

2021 **2021 - ON THE TOPOLOGY OF THE STAIRCASE** Wrapping Circulation w/ J. Roberts

2019 - PLATFORM 12: HOW ABOUT NOW? Bits + Ashes : M.Arch I Thesis

2018 - PLATFORM 11: SETTING THE TABLE ShipShop : Responsive Environment

2018 - LANDSCAPE ARCHITECTURE MAGAZINE Live and Learn by Zeiger - Cafeina

2018 - IRELAND PAVILION: LA BIENNALE Autostrada' Church: Drawing - Participant

2017 - PLATFORM 10: LIVE FEED - 2017 3D Printing : Wrapping Stair

2016 - PLATFORM 9: STILL LIFE Club: Hoarders & Library: Imaginary Places

2015 - UF ARCHITRAVE 22 Chapel: wooden vessel

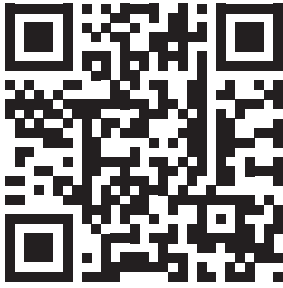
2014 - UF ARCHITRAVE 21 Tower: residence & Block: mechanical garden

2013 - UF ARCHITRAVE 20 Cemetery: grieving pavilions

2013 - NY SKETCH DISPLAY Charleston: sectional sketch

2013 - UF NAAB GALLERY EXHIBITION Boathouse: rowing facility

2012 **2012 - FAU SUBTROPICAL CONVENTION** Preservation Doc: pac. island submerges



MARTIN IGNACIO FERNANDEZ

KMARTINF@gmail.com

MartinFernandez.NET
(1) 786 - 383 - 9332

KEYWORDS

ROLES

Architectural Designer
Scientific Illustrator
Computational Designer
Creative Technologist
Exhibition Designer
Designer Researcher
Visiting Professor
Adjunct Professor
Product Designer
GIS Specialist
Web Developer
Editorial
Curator
UX/UI

INTERESTS

Arch Pedagogy
Circular Economy
Digital Memories
Domestic Robotics
Complex Geometries
Climate Narratives
Synthetic Biology
Automatizations
Machine Vision
Configurators
Water Ecology

COMMUNITY

- 2012 **FLORIDA ATLANTIC UNIVERSITY: STUDIO COMMITTEE Rep: Design V**
Spokesman in the FAU architecture committees for the class of 2012 Design V.
Spring 2012
- AIAS - FT LAU CHAPTER: Webmaster & Historian**
Created and maintained the online website for the organization. Organized and archive all the documents, photographs and meetings. Used google service to accomplish all the database.
Sept 2009 - May 2011
- U.S. GREEN BUILDING COUNCIL: FT LAU CHAPTER: Marketing Manager**
Promoted the organization with branding, photography and web design solutions.
May 2010 - May 2011
- 2010 **AIAS - FT LAU CHAPTER: FREEDOM BY DESIGN: Volunteer**
Constructed with a team: ramps, rails, and walkways for handicap accessible
May - Nov 2010

DISTINCTIONS / SCHOLARSHIPS

- 2019 **C.V. STARR SCHOLARSHIP 2017 - Harvard University**
Students of high merit with financial need.
- ARCHITECTURE DESIGN AWARD 2014 - University of Florida**
Awarded recognition of outstanding achievement and consistent performance.
- NATIONAL CONCRETE MASONRY ASSOCIATION: 2nd Place 2011 - Florida Atlantic University**
Implementation of CMU on a pavilion development located in Stranahan Park.
- MASTERY CERTIFICATE OF WEB DESIGN 2008 - South Broward High School**
Recognized for advance development in web design and marketing strategies.
- 2014 **ANNUAL SEAHAWK SPIRIT AWARD 2010 - Broward College**
Presented in recognized by the college for support in a positive manner.

GUEST CRITIC

SYRACUSE ARCHITECTURE

Cait McCarthy
Farming Studio - ARC 208
B.Arch Second Year 2023

Tara Pearsons
Sublime Studio - ARC 208
B.Arch Second Year 2023

Marcos Parga
Thesis Reviews ARC 498 2023
B.Arch Fifth Year [Midterm]

Integrated Studio ARC 409 2023
B.Arch Fifth Year [Midterm]

Konrad Holtsmark
Monuments Studio - ARC 307
B.Arch Third Year 2022

Sampath Pediredla
Freeway Studio - ARC 107
B.Arch First Year 2023

Edgar Rodríguez
Museum Studio - ARC 106
B.Arch First Year 2022

Matt Rosen & Greg Corso
Museum Studio - ARC 106
B.Arch First Year 2022

UNIVERSITY OF PHILADELPHIA

Hina Jamelle
Shifting Hybrids: Adaptive
Reuse of the Corbin Building
M.Arch I Option Studio [Midterm]

COLUMBIA UNIVERSITY

Jiajie Jerry Zhao
Intro to Architecture
Summer workshop 2023

UNIVERSITY OF BRITISH COLUMBIA

Goli Jalali
Magic Carpet II
M.Arch Option Studio 2023

Magic Carpet I
M.Arch Option Studio 2022

WENTWORTH ARCHITECTURE

Alex Vilcu
ARCH 3000 Studio 05
B.Arch Studio 2023

George Guida
AI Seminar [upcoming]
B.Arch Elective 2024