



Andrés Velasco Muro

BSS-Building System Specialist, Computational Designer, Architect, Professor at PAZ - Parametric Academy Zurich

Speaks English, Spanish

andres@pazacademy.xyz , 076 284 00 76

EXPERIENCE

2018 March - present



PAZ
ACADEMY

PAZ - Parametric Academy Zurich, Zürich CH

Parametric Academy Zurich (PAZ) specializes in visual computer language and has been working with experts from the fields of architecture, **design and engineering around the world for over ten years. The philosophy behind it is based on the cornerstones «help - improve - research»**



2017 Sept - 2019 Apr

KCAP Architects & Planners, Zürich, CH

Working like Computational Designer developing office tools, manuals, templates, project set-up and Workshops oriented for Architects and UrbanPlanners. Developing different steps of the projects : Analysis, Design andConstruction, creating a Computational Design plan to implement newsoftware and technologies .



2015 Jul - 2017 Jan

Sou Fujimoto Architects, Tokyo, JP

Computational Designer and parametric system specialist, developing complexshapes and details in various projects, collaborating with international teamsand exchanging and solving engineering problems during the processes.



2013 Nov - 2015 July

Atelier MEL, Barcelona, ES

Architect and Parametric Design Specialist.

Collaborating in the creation of tools to use modular systems to develop individual lighting objects.



2013 Sept - 2015 July



UNIVERSIDAD
POLITÉCNICA
DE MADRID

ETSAM, Universidad Politécnica de Madrid, ES

Working as a professor in parametric design tools for architecture, thinking in interactive ways to show his classes, going in deep about solving-geometric problems, different ways to developing architecture and data-transformation.

2013 Jan - 2015 July

Modelical, Madrid, ES

Engineering and Architecture Consultancy : working on 3D+4D Modeling, BIMservices, Parametric Design, Data Analysis, 3D computer graphics & videos, Construction details, 3D printing, Applications development.



2010 July - 2015 July



CEU | Universidad
San Pablo

Universidad CEU San Pablo, Madrid, ES

Working as a professor during five years making different kinds of lectures and workshops about parametric design and its different branches. He collaborated creating the first course of parametric design in the university. His signatures were about parametric design & architecture, origami, tensegrity, mathematics, digital fabrication, complex geometries, physics, electronics, 3D printing.

2011 June - 2015 June



Universidad de
Castilla-La Mancha

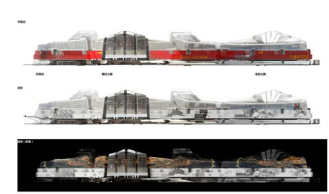
Universidad de Castilla-La Mancha, Toledo, ES

Professor of different lectures about parametric design in architecture & summer workshops of digital fabrication, as well as address new challenges and different approaches to the architecture projects.

2012 Oct - 2013 Dec

Andrés Perea Estudio, Madrid, ES

Project Coordination between different international studios, Urban Design, 3D computer graphics, professor in 3D modeling and Parametric Design.



EDUCATION

2002 - 2009



2010 - 2012

Universidad CEU San Pablo, Madrid, ES
Master of Architecture (M.Arch.)

Universidad CEU San Pablo, Madrid, ES
Project Final Thesis, Bioarchitecture

AWARDS

2017

House of the Future
Designing the future

2014

Light Facade - Best Project Final Thesis
Veteco / ASEFAVE

2013

Project Final Thesis - COAM 2013
COAM

2013

Best Project Final Thesis 2013
USP CEU

PUBLICATIONS

2020

[Von Entwurf bis Ausführung](#)
Architektur + Technik

2017 - 2020

Designing the Future
[Diseño Parametrico #01](#)
[Diseño Parametrico #02](#)
[Diseño Parametrico #03](#)

2014

[Project Final Thesis](#)
[AV n°061](#)