



RAFAEL VARGAS//

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EDUCATION//

- 2015
UNIVERSITY OF PUERTO RICO - SCHOOL OF ARCHITECTURE
M.ARCH- MASTER OF ARCHITECTURE
SAN JUAN, PUERTO RICO
- 2013
IAAC - INSTITUTE FOR ADVANCED ARCHITECTURE OF CATALONIA/
POLITECHNIC UNIVERSITY OF CATALONIA
MAI- MASTER OF ADVANCED INTERACTION DESIGN
BARCELONA, SPAIN
- 2012
ELISAVA CO_DELAB, UNIVESITAT POMPEU FABRA
POST GRADUATE CERTIFICATE OF COMPUTATIONAL DESIGN
BARCELONA, SPAIN
- 2011
UNIVERSITY OF PUERTO RICO - SCHOOL OF ARCHITECTURE
B_ED - BACHELLOR DEGREE- ENVIRONMENTAL DESIGN
SAN JUAN, PUERTO RICO
- 2007
AMERICAN MILITARY ACADEMY
HIGH SCHOOL
GUAYNABO, PUERTO RICO

EXHIBITS PROJECTS AND WORKSHOPS//

- 2015
IMPLICIT / EXPLICIT, CENTER FOR DESIGN RESEARCH
RIO PIEDRAS, PUERTO RICO
- 2014
MAC- MUSEO DE ARTE CONTEMPORANEO, URBAN DESIGN EXHIBIT
SANTURCE, PUERTO RICO
- 2014
MUSEU DEL DISSENY, MATERFAD
BARCELONA, SPAIN
- 2014
FAB 10 CONFERENCE- DISSENY HUB, FABPONICS
BARCELONA, SPAIN
- 2013
SONAR SUMMER FESTIVAL- MARKET LAB, BEAT GLOVES
BARCELONA, SPAIN
- 2013
TU/E EINDHOVEN- CLOSE TO THE BODY
EINDHOVEN, NETHERLANDS
- 2012
ESDI, UNIVERSIDAD RAMON LLUL- CLOSE TO THE BODY
BARCELONA, SPAIN

EXPERIENCE

- 2014-
UPDT_LAB
PARTNER, DESIGN AND CONSULTING SERVICES
SAN JUAN, PUERTO RICO
 - 2014 - 2015
CIDI_ CENTER FOR DESIGN RESEARCH
GRADUATE RESEARCHER
SAN JUAN, PUERTO RICO
 - 2013 - 2015
UNIVERSITY OF PUERTO RICO
RESEARCH/ TEACHING ASSISTANT FOR THE DEAN
SAN JUAN, PUERTO RICO
 - 2012 - 2013
ATELIER VANGI
MULTIDISCIPLINARY DESIGNER
BARCELONA, SPAIN
 - 2012 - 2013
IAAC - INSTITUTE FOR ADVANCED ARCHITECTURE
GRADUATE RESEARCHER
BARCELONA, SPAIN
 - 2011
HJ CONTRACTORS
DESIGN AND ARCHITECTURAL VISUALIZATION
BAYAMON, PUERTO RICO
 - 2009 - 2011
CONTRATISTA MILLENIUM
PROJECT MANAGEMENT
DORADO, PUERTO RICO
-
- ACHIEVEMENTS//**
- 2015
HIGH HONORS
MASTER OF ARCHITECTURE, UPR
 - 2014
PEOPLE'S AWARD_ FAB 10
3D PRINTING AND DIGITAL FABRICATION
 - 2013
HIGH HONORS
MASTER OF ADVANCED INTERACTIONS, IAAC
 - 2012
TUITION SCHOLARSHIP
INSTITUTE FOR ADVANCED ARCHITECTURE
 - 2011
PRESIDENT STUDENT CHAPTER
UNITED STATES GREEN BUILDING COUNCIL

PUBLICATIONS AND MENTIONS//**2015****DE BUENA TINTA- ITALIA A MANO ALZADA
BOOK_ EDITOR
RIO PIEDRAS PUERTO RICO****2015****ENVIRONMENTAL SENSING THROUGH DATA MONITORING
AND CYBERNETICS AS A TOOL FOR ARCHITECTURAL DESIGN
THESIS_ AUTHOR
RIO PIEDRAS PUERTO RICO****2014****BAYAMON- UN CENTRO URBANO
BOOK_ GRAPHIC EDITOR
RIO PIEDRAS, PUERTO RICO****2014****ENGINEERING FOR CHANGE
TEN OPEN SOURCE DEVICES FOR GLOBAL DEVELOPMENT AT
THE GLOBAL FAB AWARDS
WEB ARTICLE_ MENTION, USA****2014****AUTODESK BLOG- FAB 10 AWARDS
WEB ARTICLE_ MENTION
CALIFORNIA, USA****2014****FABFOUNDATION.ORG- FAB 10
WEB ARTICLE_ MENTION
BOSTON, USA****2014****POSTDIGITAL NODE- FAB 10 BARCELONA
WEB ARTICLE_ MENTION
USA****2014****TVE- TELEVISION ESPANOLA- TECNOLOGIA PARA LLEVAR PUESTA
NEWS INTERVENTION_ PROJECT MENTION
MADRID, SPAIN****2013****EL PAIS NEWSPAPER, TECNOLOGIA- ME LO LLEVO PUESTO
ARTICLE_ PROJECT MENTION
BARCELONA, SPAIN****2013****ESDI- UNA INVESTIGACIÓN EN TORNO A LOS SMART TEXTILES,
EL CUERPO Y LA PERCEPCIÓN
ARTICLE_ MENTION
BARCELONA, SPAIN****2013****EL PAIS NEWSPAPER, EL ARTE EN LA EDAD DE SILICIO
ALGAS Y HORMIGAS ENCABEZAN LA INTERACCION AVANZADA
NEWSPAPER ARTICLE_ MENTION AND INTERVIEW, SPAIN****2013****NOTICEL, TECNO-
PUERTORRIQUEÑO SE DESTACA EN BARCELONA CON PROYECTO
DE INTEGRACIÓN AVANZADA. INTERVIEW. SAN JUAN, PUERTO RICO**

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SKILLS AND SOFTWARE//

RHINOCEROS 5	DIGITAL FABRICATION:
GRASSHOPPER	CNC 3 AXIS MACHINE
VRAY	LASER CUTTER
PROCESSING	3D PRINTER (FILAMENT)
PYTHON	3D PRINTER (RESIN)
RHINOSCRIPT	VACUUM FORMING

AUTOCAD	SKETCHUP
ADOBE DESIGN SUITE	KEYSHOT
MS OFFICE	VRAY

**DESIGN
ARCHITECTURE
DIGITAL FABRICATION
MAKER MOVEMENT
STEAM
INTERIOR DESIGN
COMPUTATIONAL DESIGN
3D MODELLING
REALISTIC VISUALIZATIONS
DESIGN RESEARCH**

OBJECTIVES AND LINE OF WORK//

**I BELEIVE IN A CREATIVE AND INNOVATIVE
ECONOMY. I AM INTERESTED IN THE
RELATIONSHIP BETWEEN USER, TECHNOLOGY
AND HABITAT. I BELEIVE IN AVANGUARD
DESIGN AS A VIABLE OPTION TO SOLVE
CURRENT CHALLENGES. I RESEARCH AND
PRACTICE THE BENEFITS OF EMERGING
FABRICATION AND DESIGN METHODOLOGY
PROCESSES TOWARDS A CUSTOMIZABLE AND
OPEN SOURCE ARCHITECTURE THROUGH THE
USE OF THE INTEGRATION OF INNOVATIVE
MATERIALS, SCIENCE AND DESIGN.**

LANGUAGES//**ENGLISH_ NATIVE PROFICIENCY****SPANISH_ NATIVE PROFICIENCY****CATALAN_ CONVERSATIONAL PROFICIENCY**