

Richard Bettini
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EDUCATIONAL DATA:

Pratt Institute Bachelor of Architecture (1972)

Pratt Institute Masters Degree Architecture –Design (1973)

Seton Hall University Bachelor of Arts (1968)

Professional Architectural License-N.C.A.R.B. Candidate Number 00744117

Board Certified: presently completing examination process.

Post Graduate Credits: William Paterson University- 32 Credits in Education

New Jersey Licensed High School Teacher – Certifications:

TEACHER OF SKILLED TRADES- DRAFTING

TEACHER OF TECHNICAL OCCUPATIONS: DRAFTING AND DESIGN TECHNOLOGY

TEACHER OF TECHNICAL OCCUPATIONS: ENGINEERING TECHNOLOGY

AMERICAN BOARD CERTIFICATION FOR PROSTHETICS AND ORTHOTICS

Certification Number CO 002074 -Retired 2017 Emeritus

PROFESSIONAL MEMBERSHIP

2003-08 AIA-NJ –Education Committee Member Scholarship Committee

**2005-2015 American Institute of Architects Trustee and Member of The Architects’ League
Of Northern New Jersey- Scholarship Chair**

American Board for Certification in Orthotics and Prosthetics Cert. Number. CO 002074

2009-10 West Essex Regional HS New Jersey Teachers Union- Executive Board Member

ACSA.-arch.org Mentor & Member

2010-15 Trustee The Architects League of Northern New Jersey Scholarship Chair

2017 AIA-NJ Resident of the Year

2022-23 American Institute of Architects of NJ State Chapter - At Large Trustee

Building Technology Educator’s Society 2022-23 Trustee

PUBLICATIONS-TEXTBOOKS

The Complete CAD Exercise Workbook- from Novice to Advanced Projects

Published First printing -June 2017 ISBN #978-1-54390-374-4 Revised content 2023

PUBLICATIONS- PERIODICALS:

Better Homes and Gardens,”100 Ideas for Under \$100”, 1976. Design copyrights for Furniture Designs.

The Bergen Record, Lifestyles Section, “Tight Budget Made Him Creative”, Dec. 8,1975.

Teaneck News, Personalities in the News, “ Professor Bettini Designs and Builds His Own Furniture”, May 18,1976.

Cree, French Design Quarterly, “Polipotamia”, a Floating City”, July 1971.

Architectural Record, Record House- Special Yearly Issue, Freelance Article,1972.

Better Homes and Gardens, Remodeling Ideas, Spring 1978, Furniture Designs published

The News, “Mural Portrays Their Personalities”, June 29,1982.

The Bergen Record, Neighbors, June 1982.

The Star Ledger, “Students Deck The Halls in Their Own Image”, July 7,1982.

The Bergen Record, Neighborhoods, Hawthorne Heights, Residence for Seymour Pollack, March 16, 2001.

Tech Directions, May 2004 article “Lyndhurst High School Robotics Team places 10th in Marine Advanced Technology Education Center Competition” for an underwater remote operated Vehicle.

The Star Ledger, Sunday Edition -Essex County News, “High School Sub Mission”, April 1,2007.

Leagueline - Quarterly newsletter of the **Architects League of Northern New Jersey**

4Q. 2008-Shades of Green, Exterior Garden /Plant Stands made from recycled wood pallets.

4Q. 2009-Zero Carbon Imprint Greenhouse -Student Project West Essex Regional HS

Sunday Star Ledger- Nov. 11, 2012 School Notebook- “Club makes sure eggs don’t take a beating”
West Essex Robotics Club launches rockets for TARC Rocket America Competition and qualify with two flights.

The Progress- Thursday Nov, 1, 2012. “Rocket Launch Is Cooler Than Classroom” West Essex Robotics Club launches rockets for TARC Rocket America Competition and qualify with two flights.

Leagueline a publication of The Architects League of Northern New Jersey 2 Quarter 2020
“Sustainability Project: Zero Carbon Hydroponic Greenhouse” pg.7

Leagueline a publication of The Architects League of Northern New Jersey 3 Quarter 2020
“Architects’ Lives in Coronavirus Times” pg.8.

AWARDS:

Pirelli Tire Competition, Vest-Pocket Park- 2nd Place, designed with used tires and other rubber Products, 1970.

South Street Seaport Museum, Design for New Pier, exhibited at South Street Museum, 1971.

Seton Hall University, 1967. Set Design for Multi-Media presentation for “A Man for All Seasons”, Theater- in – the-Round.

Dean’s List, Seton Hall University, 1966-67.

Painting Competition, Water Color- First Prize, 1968.

Architect’s League of Northern New Jersey, First Place Winner of AIA Banner Stand Design, June 2007

New Jersey Technology Education Association 2008 HIGH SCHOOL TEACHER OF THE YEAR Of the Year Excellence Award

COVANTA TEACHERS CHALLENGE- High School Lesson Plan selected for publication and Inclusion in Web Site May 2008

AIA-NJ “RESIDENT OF THE YEAR 2017 ” Awarded by New Jersey Chapter of the American Institute of Architects

GRANTS:

NATIONAL ENDOWMENT FOR THE ARTS & NEW JERSEY COUNCIL ON THE ARTS
“ARCHITECT IN RESIDENCE PROGRAM” Site- Paterson NJ. P.S. No. 28, Fall /Spring 1981-82.

M.A.T.E. Marine Advanced Technology Education Center of Monterey California. Grant for design and building of an underwater remote-controlled robot. Years 2002, 2003, 2004, 2007,2015.

SOLID WORKS Educational STEM Grant for Software May 2006

PILOT TEACHER- Systems and Global Engineering Project (SAGE –selected by Center for Innovation in Engineering and Science Education at Stevens Institute of Technology Aug.2008 Grant to build Hydroponic Garden System in West Essex Regional HS

NATIONAL ENVIRONMENTAL EDUCATION FOUNDATION- SINGLE COURSE GRANT- 2008-09 To build a “Zero Carbon Imprint Hydroponic Greenhouse” Fall /Spring 2008-09

STEM GRANT Gaming2 Learn Project Hofstra University Center for Technological Literacy

ARCHITECTURAL EMPLOYMENT (prior to graduation)

Summer 1970	Fava Associates (Bender, Bendickson and Murphy Architects) Newark, N. J. Junior Design Draftsmen. Renovation of Kearny High School
Summer 1971	Mack Construction and Development Inc. , Secaucus, N. J. Surveying Team. Layout of Industrial Storage Buildings near NJ Turnpike
Summer 1972	Model Cities , Paterson, N. J. Advocacy Planning & Community Outreach
Sep.- Dec. 1972	Bureau of Policy Analysis , Paterson, N. J. Advocacy Planning, Design for Community Health Clinic.

ARCHITECTURAL EMPLOYMENT EXPERIENCE (after graduation)

Summer 1973	Morristown County Planning Board , Morristown, N. J. Transportation design for Rail links from Netcong Area to Hoboken.
Jan – Dec1978	Healthco International , Hackensack, N. J. Layout and Design of 22 Dental Offices and Dental Clinics including: Economy Denture- Dr. Colbert 228 Main St., Hackensack, NJ
Jan.-Dec.1979	Thomas Torricelli, PE & RA . Hackensack, NJ Junior Design Draftsman Projects include: Projects: Physicians Office for Chief of Pediatrics Dr. Peter Pasquarello, M.D. Wayne General Hospital Hamburg Turnpike, Wayne, N. J. Residence for: Seymour Pollack, Hawthorne Heights, N. J. See article concerning this house in <i>The Bergen Record</i> , Neighborhoods Section - Hawthorne Heights. March 16, 2001.
Jan.-Oct 1980	Air Tech Industries , East Rutherford, NJ Bill Murrell Assoc. AIA Supervisor Designed approx. 18 Air supported structures including the preparation of a set of patent drawings for the world's largest air supported structure.

TEACHING EXPERIENCE- UNIVERSITY LEVEL

Academic Years 1973-74	California State University at Long Beach, Cal. Interior Design Department, Instructor, Full-time Faculty.
Academic Years 1974-77	New York City Community College of the City University CUNY. Full time Faculty Instructor Dept. of Architectural Technology Voorhees Campus (old McGraw Hill Building) 450 West 41 st Street N.Y.C, N. Y. Taught: History of Architecture, Material and Methods of Construction, Working Drawings (Hand Drafting prior to CAD), Graphic Delineation- Perspective Drawing (One, Two and Three Point), Architectural Illustration (Air Brush). RIF due to 1977NYC financial Crisis.
Fall Semester 1979	New York School of Interior Design, N.Y.C. Adjunct Faculty - Interior Design Studio.
Fall 1981 to 1984	William Paterson College, Fine Art Dept. Adjunct Faculty Fine Art Department 3-D Design Studio, Graphic Delineation/Perspective and Life Drawing
Instructional Cycle--2001	Lincoln Technical Institute Architectural Technology Union, NJ Full Time Instructor, Architecture Design,
Summer 2001	C.D.M. Institute, Wayne NJ. Licensed Auto Desk Retailer (instructional Support to professional Architects and Engineers). Part time Certified Autodesk instructor
Aug. 2012 & 2013	AIA- Instructor for American Institute of Architects: Professional support for CEU @ 24 credits each <i>Revit for Architects # 2012-0422</i> <i>AutoCAD for Architects #2012-0423</i>
Aug. 2019	AIA- Instructor for American Institute of Architects: Professional support for CEU @ 24 credits each <i>Revit for Architects # AIANS 08-12-19 Provider #A170</i>
Academic year s 2016- 2019	Michael Graves School of Design Kean University -Adjunct Professor Teaching: Materials and Methods of Construction, AutoCAD and Revit.
Academic year s 2020-2021	William Paterson University –Adjunct Professor Teaching Continuing Education Saturday- via Zoom –AutoCAD, Inventor.
Academic Years 2024-present	Pratt Institute -School of Continuing Education & Professional Studies Teaching –AutoCAD, Revit.

SECONDARY EDUCATIONAL TEACHING

- 2001-2003 **Lyndhurst High School** Full time instructor Drafting, AUTO CAD & Architectural Desktop. R2. (RIF Technology Dept. closed))
- 2003-2004 **Livingston High School** Instructor 4/5 's Technology Department Black and White Photography including Darkroom Studio, CAD.
- 2004-2016 **West Essex Regional High School**
Tenured Technology instructor full time: Software AutoCAD, Architecture, Revit, Inventor (with 3-D Printer) and Robotics

SECONDARY EDUCATIONAL TEACHING POST RETIREMENT

- 2019 (Oct.- Dec.) **Northern Valley Reg. HS. Old Tappan, NJ** - STEM courses
Courses: Robotics with Arduino & Coding, Inventor
- 2022 (Jan. –June) **Pequannock High School- Pompton Plains, NJ.** STEM courses
Courses: AutoCAD, Revit & Inventor

WEST ESSEX REGIONAL HIGH SCHOOL ROBOTICS COMPETITIONS:

FIRST VEX Robotics Competition 2011 Trenton, NJ-
New Brunswick NJ Semi Finalist Vex Robotics Competition

MATE 2004 & 2007 New England Regional Underwater Robotics Competition Massachusetts Maritime Academy Buzzards Bay, Mass.

North Jersey Robotics Competition- 2007 First Place
and **Robotics team placed fourth and had Best in Show 2013.** Sponsored by Passaic County Community College.
Paterson, NJ.

PANASONIC DESIGN CHALLENGE since inception.

MIT Zero Robotics Spheres Challenge 2011 Team Finalist –West Essex Robotics Team wrote programming software to run robot sphere on The International Space Station. & 2012 Team Finalist (fourth place)

ROCKET AMERICA -TARC West Essex Robotics Team Nationally Qualified for 2013 season.

HIGH SCHOOL ARCHITECTURAL COMPETITIONS:

**Banner Stand- Tensegrity design for The Architects League of Northern New Jersey
First Place Mike Middleton.**

**Dean's Invitational High School Architectural Competition sponsored by
NJIT Architecture Department First Place .Student: Nick Palatella. 2013**

**Stickley Museum Morris Plains NJ -High School Architectural Design Invitational
First Place winner. Student: Mike Fogarty 2012**

**NAWIC (National Association of Women in Construction) Annual Architectural
Design Competition Placed First and Second Years Northeast Region and Chapter:
2009, 2010, 2011, 2012 and 2013. Students: Mike Fogarty, Andrew Spero.**

**SYNERGIS High School Architectural CAD Drafting Competition West Essex HS
Placed in top three HS in NJ and PA. 2012. Student: Mike Fogarty**

**Discover Design: National Architectural High School Architectural Competition: sponsored
By the Chicago Architectural Foundation. West Essex placed in top ten in Nation 2013.**

**TEACHING EXPERIENCE- BIOLOGICAL and SCIENTIFIC ILLUSTRATION
(NON - ARCHITECTURAL)**

Winter Session 1976-79

Montclair State College, Montclair, N. J.
Adjunct Faculty, Department of Biology.
Taught Scientific Illustration using Air-Brush

Summer 1978

New Jersey Marine Science Consortium, Princeton, N. J. Part-time
Faculty - Scientific Illustration

Fall 1980, 1981 &
Spring 1982, 1983

William Paterson College, Wayne, N. J. Adjunct faculty
Department of Fine Art Taught Graphic Delineation (Perspective Draw)
Three D- Design Studio and Figure (Life) Drawing