

CATARINA SILVA ECHOLS, Assoc. AIA, LEED™ AP

SKILLS

Rhino 3D Modeling and V-Ray Rendering	Advanced Revit, AutoCAD, ArchiCAD	ArcGIS
Adobe CS4 (Illustrator, InDesign, Photoshop)	Perspective Drawing and Rendering	Model Building
Microsoft Word, Excel, PowerPoint	Construction Documents	Bilingual

EDUCATION

NewSchool of Architecture & Design, San Diego, Master of Architecture (Magna Cum Laude)	-2010
Design Institute of San Diego, Bachelor of Fine Arts courses in Interior Design, (GPA 4.0)	-2008
Auburn University, Master of Science, Geology (Magna Cum Laude)	-1992
Old Dominion University, Bachelor of Science, Biology; Ph.D. work, Chemical Oceanography	-1994

PROFESSIONAL EXPERIENCE

Architecture, Newschool of Architecture and Design, San Diego -2010

- ❑ Awarded full President's Scholarship for excellence in academics.
- ❑ Declared Premier Award Winner (from a pool of 60 teams) at Cal Poly's Design Village competition.

Interior Design, Design Institute of San Diego, San Diego -2008

- ❑ Participated in a professional tour of the architecture of France (historic and contemporary).
- ❑ Volunteered at the 2007 "Rebuilding Together San Diego" (nominated to publish report).
- ❑ Selected to represent DISD at the 2008 AIA Charette in LA (from a pool of 300 student entries).

Geologist, Divisão de Geologia Marinha, Instituto Hidrografico, Lisboa, Portugal -2003

- ❑ Interpreted seismic profiles and flood charts; conducted site analysis based on geophysical data.
- ❑ Worked with national and international teams, interfaced professional agencies for grants/symposia.
- ❑ Experienced the functional design and complex programming of laboratories and institutions.

Adjunct Instructor, Palomar College, San Diego; Tallwood High School, Virginia Beach -2001

- ❑ Negotiated curriculum development and gained public acceptance for new teaching methodologies.

Graduate Assistant, Chemical Oceanography, Old Dominion University, Norfolk, VA -1994

Research/Teaching Graduate Assistant, Geology, Auburn University, Auburn, AL -1992

- ❑ Laboratory, research and publication expertise promoted the development of innovative processes.
- ❑ Familiarity with surveying and land reclamation practices permitted the management of fieldwork to ease environmental impact on construction sites and informed sustainable design.

MEMBERSHIPS, HONORS AND PUBLICATIONS

Memberships: American Institute of Architecture Student; United States Green Building Council Student; Construction Specifications Institute; Smart Coast; The Geological Society of America; American Society of Interior Design; The National Trust for Historical Preservation; The American Geophysical Union; The Association of Environmental Professionals.

Press: *Echols, C.S., 1993.* Diatom infestation of Recent crinoid ossicles in temperate waters, Friday Harbor Laboratories Washington: Implications for biodegradation of skeletal carbonates: *Palaios*, v8, p278-288. *Cutter, G.A., Walsh, R.S., and Echols, C.S., 1994.* Carbonyl sulfide species in the high latitude North Atlantic: Comparison with results from low latitude waters: 1994 Ocean Sciences Meeting. *Echols, C.S., Santos, A.I., and Matos, M., 2003.* Distribuição e estrutura de biocenoses de foraminíferos na fracção arenosa de sedimentos superficiais da plataforma continental Portuguesa entre o Cabo de Sines e o Cabo da Roca. 4th Symposium on the Iberian Atlantic Margin.

Grants/Scholarships: Newschool of Architecture Presidential Scholarship; Sigma Xi Grant-in-Aid Research; The University of Washington Field Grant; The Bahamian Field Station Scholarship; The Geological Society of America Research Grant; FLAD Research Grant.