

## CONTACT

Dan Cuadra

310.963.7915 / cell

dan@dancuadra.com / email

306 W. 3rd St. #514, Los Angeles, CA 90013 / mail



**DANCUADRA**  
DESIGN / ENGINEERING / ARCHITECTURE

## ABOUT

Design engineer with background in architecture and fine arts seeking to apply my knowledge of mechanical design and structural engineering to civil and infrastructural design and construction projects. Extensive experience in both conceptual and pragmatic design. Outstanding work ethic and multi-tasking skills and successfully completes projects well within time constraints. Proficient on a multitude of platforms including parametric modeling, mechanical design, graphic design, and physical model building. Excellent communicator and team-oriented worker. Willing to relocate.

## EXPERIENCE

1/2010 - 4/2011 / SCI-Arc Cultural Studies Department / Teaching Assistant

- Teaching assistant for undergraduate humanities and art history classes
- Responsible for coordination and planning of class projects and activities, setup and maintenance of presentation equipment

5/2008 - 8/2008 / Horton Lees Brogden Lighting Design / Lighting Design Intern

- Lighting design for artist installation at the 2008 Santa Monica GLOW Festival
- Participation in a product design team with responsibility for modeling and development of technical drawings and presentation materials
- Responsible for lighting calculations and specifications, research, and 3D modeling

5/2007 - 3/2009 / SCI-Arc Shop / Shop Staff

- Experience in use and maintenance of traditional and advanced fabrication technologies including CNC mills, laser cutters, 3D printers, vacuum formers, and basic woodshop machinery

5/2007 - 8/2007 / Gary Paige Studio / Architectural Intern

- Responsible for the preparation of technical drawings, 3D and physical models, and renderings for multiple projects
- Experimental furniture construction projects
- Extensive materials research

4/2005 - 12/2006 / Physical Optics Corporation / Opto-Mechanical Engineer

- Lead designer for Electro-Optics and Holography division of small business independent research company
- Responsible for design of conceptual and prototype mechanical systems and housings for optics-based military and government research projects
- Management of multiple projects, overseeing fabrication and assembly of prototypes in collaboration with local machine shops
- Assisting in optics laboratory experiments

8/2001 - 8/2004 / Anawalt Lumber Company / Paint and Finish Specialist

- Paint mixing and color matching, decor and finishing consulting
- Retail sales, call management, purchasing and receiving, and customer service
- Tool repair and maintenance
- Locksmithing

## EDUCATION

2007 - 2011 / Southern California Institute of Architecture (SCI-Arc) / Los Angeles, CA / Bachelor of Architecture, 2011

2003 - 2006 / El Camino College / Torrance, CA / Associate of Science in Architecture, 2006

2001 - 2004 / Santa Monica College / Santa Monica, CA

Portfolio and writing samples available upon request.

References available upon request.