

Education

Master of Architecture, 2008.

Thesis Prize

Alpha Rho Chi Medal

Distinguished Teaching Assistant Award

Thesis, *Imaging Computation: Scripting and Animation as Process and Product*

B.S. Architecture, 2006. Summa Cum Laude

Media, Self and Society Scholars Citation

University of Maryland School of Architecture, Planning & Preservation

National Center For Smart Growth Research and Education

Colvin Institute for Real Estate Development

Design

Freelance and consulting

Selected clients and projects

References available upon request

0095b6.com

Square 134 Architects

Graphic design, web design and web programming for this growing Washington, DC practice.

Deliverables included postcards, posters, business cards and version 2.0 of website. Collaborated with firm principals to evolve graphic identity in print and online. Complete re-programming (in PHP with Wordpress) of website infrastructure as a blog-based content management system to manage dynamic presentation of project content ("what" section of square134.com)

Feilding Nair International

Operated as an Associate Designer for this international educational facilities planning & research firm. Work focusing on architectural visualization and graphic design during the schematic design phase of three public school projects in Regina, Saskatchewan and Vancouver British Columbia. Prepared graphic diagrams, schematic design reports and renderings.

Energy+Light+Control

Developed the web-presence for this Washington, DC startup. energylightcontrol.com is an expanding platform for commentary, advocacy, support and services in the realms of sustainability and building technology. Scope of work included design of web interface and programming in PHP to adapt numerous internet technologies including Wordpress, Vimeo, Photoblog software, JQuery and Twitter into a unified and dynamic content-rich environment.

University of Maryland School of Architecture, Planning and Preservation

Designed posters and graphic material for the school's semester lecture series for four semesters (Spring 2006, Fall 2006, Spring 2007, Fall 2009). The information-heavy posters establish the tone and theme for each series and are sent, along with postcards for each lecture, to thousands of alumni and the design community. Scope of work also included video editing/production and package design of the DVD archive for each lecture

Teaching

University of Maryland, Adjunct Professor

Computer Applications in Architecture, Spring '10, Fall '09, Fall '08

Graduate Architectural Design Studio I, Fall '09 (with Ronit Eisenbach)

Sustainable Skins, Graduate Topical Studio, Spring '09 (with Madlen Simon and Carl Bovill)

Undergraduate Architectural Design Studio I, Fall '08 (with Courtney Miller Bellairs)

Invited Reviewer/Lecturer: Architectural Design Studio II, Architectural Design Studio III, Architectural Design Studio IV, Graduate Topical Studio, Advanced Computer Applications in Architecture, Art & Architecture, Foundations in Architecture, Sensing Architecture

Catholic University of America, Adjunct Professor

Graduate Digital Media Concentration Studio, Spring '10

Digital Media Concentration Supplement Workshop, Spring '10 (with Lavinia Pasquina)

Invited Reviewer/Lecturer: Digital Fabrication Studio, Undergraduate Architectural Design Studio IV

Service

Northwestern High School, Architecture in the Schools
Collaboration with Architecture Program faculty and students to develop and execute design curriculum and pedagogy for a class of high school students, 2009

Admissions Committee

Architecture Program, School of Architecture, Planning and Preservation, Academic year 2008-2009.

Curriculum Committee

Architecture Program, School of Architecture, Planning and Preservation, 2005-2006.

Academic Studio Culture Task Force

Architecture Program, School of Architecture, Planning and Preservation, 2005-2006.

American Institute of Architecture Students Maryland Chapter Vice President

School of Architecture, Planning and Preservation. Elected 2005-2006.

Publications

Teaching Systems thinking through an algorithmic process

Arab Society of Computer Aided Architectural Design, Manama, Bahrain, 2009.

Scripting Animation: Toward the Capture of Computational Topologies and Articulation of Change

Computer Aided Architectural Design and Research in Asia, Taiwan, 2009.

Animate Topologies, Blending media and Architecture

2007-2008 formZ Joint Study JOURNAL 16, Partnerships in Learning. With Michael Ambrose.

Introductory Digital Design Seminar: Thinking and Making

2007-2008 formZ Joint Study JOURNAL 16, Partnerships in Learning. With Mark Ramirez.

Animate Education: Early Design Education Pedagogy

Computer Aided Architectural Design and Research in Asia, Chiang Mai, Thailand, 2008. With Michael Ambrose and Luc Wilson.

CubeExplorer: An Evaluation of Interaction Techniques in Architectural Education

INTERACT 2007, Rio de Janeiro, Brazil. With Hyunyoung Song, François Guimbretière and Michael A. Ambrose

frame(d)ing:corporeal morphologies

PRIXARS Electronica - International Competition of CyberArts, Hybrid Art Submission 2008. With Michael Ambrose and Luc Wilson. <http://0095b6.com/hybridart>

_module, Issue One. Cofounder, graphics editor, concept designer

Critical independent student publication of and for the student body of the school of architecture, planning and preservation, 2007.

_module, Pilot. co-founder, graphics editor, concept designer

Critical independent student publication of and for the student body of the school of architecture, planning and preservation, 2006.

[mis]representations. _module, 2006.

Skills

Proficiency in programing/scripting/markup languages and libraries: ActionScript, RhinoScript (Visual Basic), Java, C++, JavaScript, HTML, CSS, Processing, PHP, Wordpress

Typesetting & pre-press for digital and offset printing

Proficiency using and teaching software application: Adobe Photoshop/Illustrator/InDesign/Flash/Premiere, Auto-des-sys FormZ, Autodesk AutoCAD/Revit/Maya, Google Sketchup, Apple Final Cut Pro/Express,McNeel and Associates Rhinoceros 3D/Grasshopper, Chaos Group V-Ray

Fabrication: Laser cutter, Z-Corp ZPrinter Series 3-D Printers.