

Inglewood, CA 90302
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° Work

0001D LLC. Inglewood, California

Dec 2005-Jun 2011-Current Founder, Computational Designer
 Founder and Director of a design research lab investigating new methods of algorithmic/parametric/BIM/cellular computation and robotics for architecture, visual effects, graphic design, web, biology, and other media.
 Projects: Paramnesia (Revit Parameter Proofreading Plug-in)
 "Mega-Dots!" Computationally-Formulated Connect-the-Dots Puzzle
 Undersexualized Recursion Architectural Series
 "Lake Effects" Rouse-D Exhibition Proposal (with Kieran McCaughey), Detroit, Michigan
 "INTRUDER" Installation (with Kieran McCaughey), Los Angeles (Constructed November 2008)
 "Glendale Satellite Library" Digital Process (with Juan Azulay), Glendale (Built 2008)

Gehry Technologies. Los Angeles, California

April 2005-Jan 2015 Technical Manager
 Technical director and researcher focusing on the design, development, and implementation of advanced parametric architectural projects, scripting, & construction automation. Major emphasis on high-rise, museum, and large-scale construction and rationalization. As Knowledge Manager: conducted training seminars, managed GT content, developed project-specific & universal programs, and co-edited the GTwiki.
 Main Projects: One Spruce Street Tower, Manhattan, USA (Built 2010)
 Lou Ruvo Brain Institute, Las Vegas, USA (Built 2010)
 Dr Chau Chak Wing Building, Sydney, Australia (Built 2014)
 Guggenheim Abu Dhabi, Abu Dhabi, UAE

Xefirotarch (Hernan Diaz Alonso). Los Angeles, California

2005 Design Team Member and Chief Programmer
 Developed the automation tools, construction/fabrication documents, and optimization techniques to rationalize the 2005 PS1 Sur project.
 Projects: 2005 PS1 Sur

Mudrovich Architects. Wausau, Wisconsin

May 2003-Aug 2004 Architectural Intern
 Worked on several regional financial institution projects through all phases of design.
 Projects: River Valley State Bank, Wausau, Wisconsin
 Heritage Credit Union, Madison, Wisconsin

Flad & Associates. Madison, Wisconsin

May 2002-Aug 2002 Architectural Intern
 Worked on design and construction documents; Explored schematic design and produced threedimensional computedaidd renderings and models. All work consisted of hospital and pharmaceutical research facilities.

Project Inc. Milwaukee, Wisconsin

Jul 2002-Jan 2003 Student and Volunteer
 Served as a structural consultant and construction document detailing advisor for a nonprofit orphanage construction project and masterplan. Also worked on illumination design, construction administration, and promotional design.
 Projects: Los Guidos Project, San Jose, Costa Rica

Major Industries Inc. Wausau, Wisconsin

Jul 1999-Aug 2001 Engineering Technician and Design Drafter
 Drew submittal and production (shop) drawings for large commercial skylights and curtain-walls. Developed and implemented Excel-driven automated shop drawing procedures. Worked with architects, engineers, and contractors for scores of projects worldwide.

° Learn

Master of Architecture, Southern California Institute of Architecture, 2006
 Concentrations: Computational Architecture, Parametric Design
 Thesis: "Flesh[]logically-transparent"

BSAS, University of Wisconsin Milwaukee, School of Architecture and Urban Planning, 2003
 Concentrations: Advanced techniques of 3D digital design
 Magna cum laude with structural engineering minor.

° Teach

University of Southern California School of Architecture, Los Angeles, California

Sep 2009-Present Computational Design Studios and Thesis Adviser

Teaching of computational design in architecture and urban planning, collaborating with Neil Leach in grad and undergrad studios.

University of California Santa Barbara Media Art and Technology Department, Santa Barbara, California

Apr 2007-Aug 2009 Lecturer

Research and teaching focus on computer programming in design, representation, and animation. Emphasis on generative systems for visual and transdisciplinary effects.

Southern California Institute of Architecture, Los Angeles, California

Spr 2006-Fall 2008 Instructor and Co-Adviser

Instructed the "Generative Scripting" workshop seminars, exploring the field of programming and computation in the context of architectural frameworks. Investigating diverse fields as generative systems, automated construction documentation, program communication, et cetera.

° Publish

Pisca, Nicholas. "Forget Parametricism." Computational Design. Ed. Neil Leach & Philip F. Yuan. China: Tongji University Press. 2017. p 42-45.

Pisca, Nicholas. "Genotower." Skyscraper for the XXI Century. Ed. Carlo Aiello. New York: eVolo Publishing. April 2008. p 20-22.

Pisca, Nicholas. YSYT Maya MEL Basics for Designers. Los Angeles: 0001d Publishing, 2009.

0001d Sherpa Blog.

Aug 2009-Present

Editor, Blogger, and Founder

AEC Technology Website for scripting, rapid prototyping, visual effects, and design.

<http://www.nickpisca.com/sherpa>

0001d Blast Meta Scripting Wiki.

Dec 2008-Present

Founder and Contributor

AEC Open Source repository for computational design codes, tutorials, and samples.

<http://www.nickpisca.com/blast>

Gehry Technologies' GTWiki.

Jun 2006-Present

Co-Editor and Main Contributor

Digital Project and CATIA wiki for advanced parametric design.

<http://www.gtwiki.org>

° Affiliate

Association for Computer Aided Design in Architecture (ACADIA) Conference Review Committee Member

2011-Present

Orange Coast College Architectural Technology Committee Member

2016-Present

Orange Coast College Makerspace Advisory Board Member

2017-Present

Wausau Daily Herald. Current Events and Political Contributor.

May 2004-Aug 2004

Editorial Panelist

"IDI Online." Int'l Harvester Diesel & Biofuel System Innovation.

Aug 2013-Present

Founder and Editor

<http://www.nickpisca.com/diesel>

Waste Vegetable Oil (WVO) Travel and Awareness.

Mar 2006-Present

Co-Founder

<http://www.nickpisca.com/wvo>

Publications, Articles, and Interviews about my research on WVO Fuel with collaborator Glenn Wienke:

Berg, Martin. "VeggiePowered Road Trip A Frank Gehry design whiz creates biofueled Volkswagens" LA Weekly, June 9, 2011.

Peckham, Pat. "Veggie Oil Road Trip." City Pages. April 21, 2011.

Neupert, Raymond. "Wausau Natives Building Vegetable Oil Powers Cars." W.S.A.U. AM Radio Report and interview. April 18, 2011.

Mountain, Cami. "Cutting the Gas Bill Fat." W.A.O.W. Television News Report and interview. April 5, 2011.

Uhlig, Keith. "Wausau West Grads Fuel Travels with Used Vegetable Oil." Wausau Daily Herald. March 17, 2011.

Uhlig, Keith. "A Love Affair with the Open Road." Wausau Daily Herald. August 3, 2006.

Uhlig, Keith. "Car Run on Vegetable Oil has Rough Trip." Wausau Daily Herald. May 4, 2006.

Uhlig, Keith. "Friends Hope to See Sightings, Make Statement on Road Trip." Wausau Daily Herald. April 25, 2006.

° Collaborate

Vivarium (SCIArc Installation)

Ma77er Management Installation by Juan Azulay

March 2010

Virtual Organism Designer

Designed and implemented a multi-topological virtual organism that lived off of and evolved from live video feeds of physical organisms.

The History Channel's City of the Future Competition for Los Angeles

Collaboration with Jennifer Siegal (OMD), Roland Wahlroos Ritter, Paulette Singley, Emily White

Dec 2006

Collaborator

Authored scripts to simulate urbanscale organic bioinfracture and simultaneous representational value for the Infiniti Design Excellence Award winner. Also completed rendering and video compilation.

MAK Center Vertical Garden Competition 2006

Collaboration with Juan Azulay, David Fletcher

May 2006-Jun 2006

Collaborator, Digital Manager, Visual Effects Supervisor

Authored scripts to produce simulation abnormal plant growth and simultaneous representational value for the winning entry for the MAK Center Vertical Garden Competition. Also completed the digital modeling, rendering, execution and drawing extraction.

° Recognize

2012	"Parametrics Explained"	Contributor	Portions of this chapter, by Neil Leach and Philip Yuan (footnote, p 1)
Oct 2011	Scripting Cultures Book	Invited Commenter	Featured with 30 other prominent "scripting leaders" worldwide.
May 2010	Rouse D Exhibit 2	Invited Exhibitor	"Lake Effects" Exhibited at the Southwest Detroit Business Association in Detroit.
Sep 2009	Rouse D Exhibit	Invited Exhibitor.	"Lake Effects" Project Exhibited at the 555 Gallery in Detroit.
Nov 2008	Main Event 7	Invited Co-Exhibitor.	Installation "INTRUDER" exhibited in downtown Los Angeles
Oct 2008	Arch Digital	Exhibitor	"GenScriptingSpr2008" featured.
Jan 2008	SICA Gallery	Invited Exhibitor.	"Flesh[]logically-transparent" showcased. SICA "Architects without Architecture"
Nov 2007	Scriptedbypurpose	Exhibitor.	"Balcony Project" exhibited for Xplicit&Ncoded on "scriptedbypurpose."
Feb 2007	LACE Gallery	Invited Co-Exhibitor.	City of the Future collaboration work exhibited at LACE in Los Angeles.
Feb 2007	Gehry Partners Group Show	Invited Exhibitor.	Digital genetic research showcased.
Nov 2006	A+D Magazine	Image Publication.	Fleshology collaboration work printed in A+D.
Jun 2006	eVolo	Winner.	"Gen Tower" awarded Special Mention in 2006 Skyscraper Competition.
Nov 2005	Beyond Media	Exhibitor.	Collaboration design work exhibited.
Sep 2005	SCIArc	Image Publication.	"Flesh[]logically-transparent" showcased on SCIArc website.
Apr 2005	Orange 22 Gallery	Exhibitor.	"Fleshology" architecture design group exhibit. Downtown Los Angeles.
Apr 2005	WIRED	Image Publication.	Collaboration work and images posted on Bruce Sterling's WIRED blog.
2005	EVIDENTS Magazine	Exhibitor.	Agitprop project imagery published in EVIDENTS. (ISBN 0976007924)
2001-02	AIA	Winner.	Two-time Southwest Chapter AIAW Scholarship recipient.
Dec 2002	UWM	Winner.	Richard Hunzinger Memorial Scholarship recipient.
May 2002	MIAD Gallery	Exhibitor & Co-Curator	"IldmrdsGUKdnswbiGMVmVjfemaEhmeLg" and "experience—space&details"
Sep 2002	Flad	Exhibitor.	"visual representation 001" displayed at the Flad Gallery Night.
Dec 2000	UWM	Winner.	"300 Chairs Competition." Honorable Mention.

° Innovate

Two & three-dimensional computer-aided drafting (and scripting):

AutoCAD (VBA), Rhino (RVB), Maya (MEL), CATIA (VBA, KWE), Digital Project (VBA, KWE), Revit (VB.Net, C#.Net), 3D Studio VIZ

Scriptwriting & programming languages:

Proficient: Visual Basic, MEL, Action Script, VB.Net, C#.Net; *Comfortable:* C++, PHP, HTML, Python, Processing, Win Batch

Image, website, & video/DVD editing software:

Photoshop, Illustrator, Flash (ActionScript), Adobe Premiere, Jasc Pro, Adobe Encore (DVD), iDVD, iMovie

Still frame & animation rendering capabilities:

Maya software/hardware/mental ray, Rhino treefrog & flamingo, DP/CATIA Photo Studio, 3DSMax/VIZ, Accurender

Construction and management scheduling and sequencing programs:

Microsoft Excel (VBA scripting), Microsoft Project (VBA scripting), Primavera

CNC and prototyping experience:

3axis CNC milling, Laser cutting, Powder and Plastic 3D Printing, Z Corp Machine Repair, Vacuum Forming, SurfCAM experience

Drafting, painting, and drawing capabilities:

Ink on Mylar, charcoal, pencil, acrylics

NCARB IDP Completion. Architect Registration Examination in progress.

° Instruct

2007	RMIT	Instructor:	BIM Automation Workshop
2007	UW-Seattle	Instructor:	Parametric Design Workshop
2006	Ohio State University	Instructor:	Parametric Design Workshop
2005	SCIARC	Assistant Teacher:	Scripting Workshop (Nick Puckett)
2005	SCIARC	Assistant Teacher:	Digital Genera (Jean Michel Crettaz & Richard "Doc" Bailey)
2004	SCIARC	Assistant Teacher:	Digital Chimera (Dennis Shelden & Cristiano Ceccato)
2001-02	UW-Milwaukee	Volunteer:	AutoCAD Training Seminars
1999	UW-Marathon County	College Mathematics Tutor	

° Talk

April 26, 2011	Lecture	UCSB Media Arts Technology Department Lecture Series ()
March 3, 2011	Invited Participant	Design Intelligence Symposium (Anne Balsmo, Neil Leach)
Feb 2, 2011	Presenter	UCLA Jules Stein Eye Institute Grand Rounds (with Ralph Levinson)
Jun 2, 2010	Interview	ArchiBureau, Patrick Drewello.
Dec 12, 2009	Panelist/Respondent	Intensive Fields Conference; Parametric Techniques Panel (Neil Leach, Roland Ritter)
May 29, 2009	Lecture	UCSB Media Arts Technology Department Lecture Series (Curtis Roads)
March 12, 2008	Introducer	SCIARC Lecture Series (Robert Hodgkin)
Apr 2007	Panelist/Presenter	Agentcode Los Angeles Symposium (Ed Keller)
Jan 2007	Interview	Interview in the documentary "On the Way to Babylon" by Moshe Hacmon.
Sep 2005	Interview	Interview in the documentary "Sur, An Architectural Tango."

° Participate

May 2018	Conference Review Cmte Member	ACADIA 2018 RECALIBRATION (Philip Anzalone, Andrew John Wit, Macello Del Signore)
May 2017	Conference Review Cmte Member	ACADIA 2017 MIT (Skylar Tibbits)
May 2016	Conference Review Cmte Member	ACADIA 2016 Posthuman Frontiers (Sean Ahlquist, Matias del Campo, Kathy Veilikov, Sandra Manninger)
May 2015	Conference Review Cmte Member	ACADIA 2015 NA (Lonn Combs, Chris Perry)
May 2014	Conference Review Cmte Member	ACADIA 2014 Design Agency (Alvin Huang)
May 2012	Conference Review Cmte Member	ACADIA 2012
Dec 2011	Faculty Critic	USC Fall Studio Final-Review (Neil Leach)
Oct 2011	Faculty Critic	USC Fall Studio Mid-Review (Neil Leach)
May 2011	Conference Review Cmte Member	ACADIA 2011 Integration through Computation
Mar 2011	Faculty Critic	USC Spring Studio Final-Review (Neil Leach)
March 2011	Faculty Critic	USC Spring Studio Mid-Review (Neil Leach)
2011	Adviser	Building Sciences Graduate Thesis (Hamad Al Olayan)
Dec 2010	Faculty	Critic USC Fall Undergrad Studio Final-Review (collaboration with Neil Leach)
Oct 2010	Faculty	Critic USC Fall Undergrad Studio Mid-Review (collaboration with Neil Leach)
May 2010	Faculty	Critic USC Spring Graduate Studio Final-Review (collaboration with Neil Leach)
May 2010	Faculty	Critic USC Spring Seminar Final-Review (Swarm Intelligence Roland Snooks)
Mar 2010	Faculty	Critic USC Spring Graduate Studio Mid-Review (collaboration with Neil Leach)
Dec 2009	Faculty	Critic USC Fall Graduate Studio Final-Review (collaboration with Neil Leach)
Dec 2009	Faculty	Critic USC Fall Graduate Studio Final-Review (Roland Ritter)
Dec 2009	Faculty	Critic USC Fall Seminar Final-Review (Swarm Intelligence Roland Snooks)
Oct 2009	Faculty	Critic USC Fall Studio Mid-Review (collaboration with Neil Leach)
Sep 2009	Outside	Critic SCIARC Graduate Thesis Final Review (Hernan Diaz Alonso, JM Crettaz)
Feb 2009	Faculty	Critic MediaScapes/UCSB MAT MidReview (JM Crettaz, Marcos Novak)
Feb 2009	Outside	Critic SCIARC Spring Studio Mid-Review (Ed Keller)
Oct 2008	Faculty	Critic MediaScapes Fall Studio Mid-Review (Ed Keller)
Oct 2008	Outside	Critic USC Fall Studio Mid-Review (Kara Bartelt Lettuce)
Sep 2008	Faculty	Critic SCIARC Graduate Thesis Final Reviews (Hernan Diaz Alonso)
Jul 2008	Faculty	Critic SCIARC Graduate Thesis Mid-Reviews (Elena Manferdini)
2008	Co-Adviser	Graduate Student Eric Battino (with Ed Keller)
2008	Co-Adviser	Graduate Student Dave Wolfe (with Tom Wiscombe)
2008	Co-Adviser	Graduate Student David Kuelby (with Ramiro Diaz Granados)
Jun 2008	Faculty Critic	SCIARC Summer Studio Mid-Review (Ed Keller)
May 2008	Faculty Critic	SCIARC Thesis Prep Final Review (Hernan Diaz Alonso)
Mar 2008	Outside Critic	SCIARC Spring Studio Mid Review (Juan Azulay)
Feb 2008	Outside Critic	SCIARC Spring Seminar Mid Review (Roland Snooks)
Oct 2007	Outside Critic	USC Fall Studio Mid Review (Roland Ritter)
Sep 2007	Outside Critic	SCIARC Thesis Final Review (Marcos Novak)
Mar 2007	Outside Critic	SCIARC Spring Seminar Project Review
Mar 2007	Outside Critic	SCIARC Spring Studio Mid Review (Ed Keller)
Jan 2007	Outside Critic	SCIARC Spring Seminar Early Review
Oct 2006	Outside Critic	SCIARC Fall Studio Mid Review (Ed Keller, Perry Hall)
Oct 2006	Outside Critic	SCIARC Fall Studio Mid Review (Jean Michel Crettaz)
Aug 2006	Outside Critic	SCIARC Summer Elective Final Review
Jul 2006	Outside Critic	SCIARC Summer Studio Mid Review (Ed Keller, Juan Azulay)