

RESEARCH AGENDA

Graphic explorations of the quantitative constructions of territory and environment within modern governmentality; Conservation histories, resource constructs, & spatial feedbacks in urban modernization; Infographic histories, particularly the reform ideology and approaches of 'materialist' visualization in the interwar/progressive period such as Neurath's Isotype and publications like *Survey Graphic*; Integration of computational methods and traditional craft in design, public history, and digital humanities;

EDUCATION

2008 **UNIVERSITY OF PENNSYLVANIA**
MLA: Landscape Architecture and Regional Planning *Honors*

2005 **COLUMBIA UNIVERSITY**
MA: Modern Art Criticism
Thesis: "Wireless Imagination Amidst Psychological Warfare: Roberto Matta's Paintings."
Advisor John Rajchman

2003 **ARCHITECTURAL ASSOCIATION**
MA: Architectural Histories & Theories *Distinction*
Thesis: "Seeing Through Stowe: Formal Projection, Aesthetic Encounter, and Discursive Visuality."
Advisor Vittoria Di Palma

2002 **WASHINGTON UNIVERSITY**
BSc: Architecture, Anthropology *Summa cum laude*
minor: Art

2017 **FULLSTACK ACADEMY**
Certificate: Software Development Immersive

ACADEMIC APPOINTMENTS

Adjunct Professor in Landscape Architecture
CURRENT **ILLINOIS INSTITUTE OF TECHNOLOGY**

Teaching and curriculum construction responsibilities include graduate core course on research methods and writing for design. Teaching incorporates current research, from computation to material culture and the genealogies of environmental 'data' in conservation, commerce, and medico-aesthetic individualization. Curriculum design was the author's unless otherwise noted (*).

2019, 20 SP DeCode/ReCode: Designing Public Realms thru the Chi Municipal Code (LA 542) *Studio*
2018 SP, 18-19 FALL Landscape Architecture and Time: Historiography to Dynamic Documents (LA 516) *Seminar*
2017 FALL History Theory Criticism III: Common Landscapes to MicroInfrastructures (LA 504) *Seminar*

Program Manager, Mellon Fellow on Landscape Studies Initiative
2017-2018 **UNIVERSITY OF VIRGINIA**

Research and prototype development for a transdisciplinary digital platform on landscape history; Curriculum design for fieldwork with digital integration. Management of full and part-time student workers. General project outreach, from organizing symposiums and grants to delivering papers.

2018 SUMMER LSI Germany Pilot: Muskau, Dessau, Potsdam, Berlin (Zseries) *Fieldwork*

2013-2016 Lecturer in Landscape Architecture (full-time)

CITY COLLEGE OF NEW YORK SPITZER ARCH SCHOOL

Teaching and curriculum construction responsibilities include graduate core and elective research courses, studio, and lab courses on parametric simulation and representation of landscapes. Teaching incorporated current research, from computation to material culture and the genealogies of environmental 'data' in conservation, commerce, and medico-aesthetic individualization. Curriculum design was the author's unless otherwise noted (*).

COURSES

2016 SP	MLA Studio II (LAAR 62100) <i>Studio</i>
2016 SP	Landscape & Logistics, Ind. Study (LAAR 69003) <i>Seminar Instruction</i>
2015 FALL	Advanced Representation Techniques (LAAR 62200) <i>Lab Instruction</i>
2014,15 FALL	Design Research (LAAR 64150) <i>Discussion/Seminar</i>
2014,15 FALL	Traditional and Digital Media (LAAR 61400) <i>Lab Instruction</i>
2014,15 SUMMER	Spatial and Regional Representation (LAAR 61601) <i>Lab Instruction</i>
2015 SP	Maps, Matter, Metabolisms (ARCH 63200, LAAR 64800) <i>Seminar and Lab Instruction</i>
2015 SP	Landscape Digital Animation (LAAR 61270) <i>Lab Instruction</i>
2014,15 SP	Thesis Studio (LAAR 66100 with Catherine Seavitt Nordenson) <i>Studio *</i>
2014 SP	Digital Modeling <i>Workshop</i>
2013 FALL,15 SP	Processing/Data Visualization for Landscape <i>Workshop</i>

SERVICE

2016 SP	Publications Committee <i>Spitzer Web and Publications platform research</i>
2015 FALL	Travel Studio Chaperone, Secondary Critic <i>3rd yr core studio</i>
2015 SP	Graphic workshops <i>1st yr core studio</i>
2014 FALL	Travel Studio Chaperone <i>3rd yr core studio</i>

Adjunct Lecturer in Landscape Architecture & Regional Planning

2014 **UNIVERSITY OF PENNSYLVANIA, SCHOOL OF DESIGN**

2014 SP	Edge Operations (LARP 780) <i>Adv. Theory Discussion/Seminar</i>
2014 FALL	Media III (LARP 543, with Keith Van Der Sys) <i>Lab Instruction, multiple sections</i>

Support Critic in Landscape Architecture

2010 FALL **BOSTON ARCHITECTURAL COLLEGE, STOSS STUDIO**

Option Studio: Ungulate Urbanism (with Scott Bishop) *Studio*

Teaching Assistant in Landscape Architecture and Architecture

2006-08 **UNIVERSITY OF PENNSYLVANIA, SCHOOL OF DESIGN**

2008 SP	Contemporary Landscape History + Theory (LARP 540, with Karen McCloskey) <i>Lecture</i>
2007,08 SP	Architecture + Site (ARCH 401, with Anita Berrizbeitia) <i>Studio</i>
2006,07 FALL	Concepts in Contemporary Landscape (LARP 780, with Anita Berrizbeitia) <i>Lecture</i>
2006 FALL	Archigram and Its Legacies (ARCH 719, with Annette Fierro) <i>Seminar</i>

Teaching Assistant in Architecture

- 2000-02 **WASHINGTON UNIVERSITY, FOX SCHOOL OF DESIGN**
2002 SP Introduction to Design IV (ARCH 212, with Gay Lorberbaum) *Studio*
2000,01 FALL Introduction to Design I, II (ARCH 111-12, with Gay Lorberbaum) *Lecture and Discussions*

RECENT INVITED JURIES

- 2016-19 Illinois Institute of Technology Landscape
2017-18 University of Virginia Landscape, Architecture, Digital Design
2016-17 University of Illinois, Urbana-Champaign Landscape
2016 Ohio State University Landscape
2016 University of Tennessee Landscape
2013-16 University of Pennsylvania Landscape, Core, Elective, & Super Reviews
2013-16 City University of New York Landscape, Core & Elective
2009,13,15 Northeastern University Landscape, Core
2011 Harvard Graduate School of Design Landscape, Core
2011 Wentworth Institute of Technology Architecture, Core

PROFESSIONAL EXPERIENCE

Founder, Designer/Developer

CURRENT **SITEATIONS STUDIO**

Research, design, and interactive applications practice focused on exploring historic and contemporary forms of data-driven cartography, illustration, and visualization. Interactive, information design and graphics consultation for clients including Newberry Library, BitSpace, The GardenWorks Project, ANAcycle Studio, Smudge Studio and Ninigret Partners. Work featured on *Places*, *Scenario*, *BLDG blog*, *Notcot.org*, and in various academic collations. Exhibitions have won numerous awards, such as honors at the the Bi-City Biennale of Urbanism/Architecture (Shenzhen).

Associate

2008-2012 **STOSS LANDSCAPE URBANISM**

Managed competitions, master plans, installations, and landscape designs for projects at a range of scale in the US, Europe, Eurasia, China, & Taiwan. Supervised interns on a daily basis, attended client and consultant meetings, served as lead designer, led client presentations and community participation meetings. Spearheaded the production & coordination of RFP & RFQ proposals, design standards, and contributed to construction document sets, from concept to construction admin.

Project Designer

2008 **LANDWORKS STUDIO**

Project designer on various historic site plans, urban transit studies and landscape designs in Boston and NE US. Compiled firm portfolio and contributed to various RFP & RFQs and document sets.

Interpretive Staff/Educator

2006 **BARTRAM'S GARDEN**

Staff educator teaching grade-school curriculum and all-age interpretive tours of colonial-era house and grounds. Assisted in revision of seasonally themed lessons focusing on botanic collections.

Docent/Exhibition Construction

2005 **WALLACH GALLERY**

Gallery staff and docent. Worked openings, assisted in cataloging works, building exhibitions, lighting, and writing copy for various press releases.

FELLOWSHIPS, HONORS, & AWARDS

2017-2018	Mellon Fellowship University of Virginia, leading the Landscape Studies Initiative
2016	2015 Bi-City Biennale Honors for the "Autonomy & AutoDigestion" exhibit with Lydia Kallipoliti
2016	DredgeFest CA Workshop Visualization Fellow for the Bay Team
2015	Beautiful Data II Getty Institute/Harvard MetaLab/NEH workshop Fellowship
2013-2014	Merit Award New York University/ITP first year fellowship
2012	Change Agent Van Alen/NYASLA selected to present current work at Archi-tober festivities
2012	Shortlisted for Pruitt Igoe Now Ideas competition for Pruitt Igoe, selected for exhibition inclusion
2008	Landscape Faculty Medal University of Pennsylvania, for excellence in Landscape Architecture
2008	ASLA Merit Award University of Pennsylvania, nomination for overall performance
2007-2008	Dean's Merit Scholarship University of Pennsylvania, multi-year merit-based Landscape funding
2007	Narendra Juneja Scholarship University of Pennsylvania, merit-based second-year award
2007	Van Allen Traveling Fellowship University of Pennsylvania, for rurban research in France, Spain
2005-2008	McHarg Scholarship University of Pennsylvania, multi-year merit-based tuition coverage
2002	Givens Book Award Washington University, given to best theory student in Architecture
2002	Anthropology Merit Prize Washington University, for top performance in Anthropology writing
1998-2002	Fitzgibbon Fellowship Washington University, full-tuition fellowship for Architectural study
1998	Westinghouse Scholarship Westinghouse Corporation, competition-based engineering scholarship

COMPETITIONS

2012	Pruitt Igoe Now, Shortlist, St. Louis project "From Below: CSOs as Community Catalysts"
2012	Unbuilt Architecture Award/The Hobson Honor Award: Project Boston Society of Architects, Boston project "Taichung Gateway Park" (Project Manager/Lead Designer at Stoss)
2012	Unbuilt Architecture Award/Citation Award: Project Boston Society of Architects, Boston project "Minneapolis Riverfront" (Project Co-Manager/Lead Designer at Stoss)
2012	Park Finalist: Aqua Cultures Taichung Gateway Park, Taichung, Taiwan (Project Manager/Lead Designer at Stoss)
2012	Park Finalist: Streamlines Mississippi Riverfront Competition, Minneapolis, MN (Project Co-Manager/Lead Designer at Stoss)
2010	Park Finalist: Laagland Park Competition, Antwerp (Project Manager/Lead Designer at Stoss)

CONFERENCES & PRESENTATIONS

2018	Council of Educators in Landscape Architecture, Annual Conference, Virginia theme 'Visualization and Communication', lecture "Dispersed and Distributed, Archive as Data"
2016	AIA Pecha Kucha, Pittsburgh Lecture on "The Precipitron"
2016	Operative Landscapes, Representation Workshop, UTenn Knoxville Led two-day workshop on representing - in diagram & drawing - performance metrics and material culture
2016	DredgeFest, Sedimentation Workshops, UC Berkeley 'Bay' charrette group, developed software in python and grasshopper for developing/testing alternate profiles for marsh migration
2016	CUNY Grad. Center/Futures Initiative, "Unflattening and Enacting Visualization", New York roundtable on "Developing Material Dimensions/Dynamics in Visualizations for the Humanities"
2016	Council of Educators in Landscape Architecture, Annual Conference, Utah theme 'Landscape History and Theory', lecture "Parsing the Pastoral"
2016	City University, 'Mapping' Seminar, New York guest lecture for Cesare Birignani, "Graphic Narratives"
2015	Northeastern University, 'Genealogies' Seminar, Boston guest lecture for Brad Goetz, "Pastoral Probabilities"
2015	Society of Architectural Historians, Annual Conference, Chicago panel 'Architectural History in the Anthropocene,' lecture "Cords, Commons, Combustion"

- 2015 College Art Association, Annual Conference, New York poster session “Robert Smithson’s Geographic Imaginaries”
- 2014 New York University’s Cultural Geographies, Urban Humanities Symposium, New York roundtable “Cultural Geographies,” lecture “Edge Operations”
- 2014 City University of New York, JMBG faculty discussions, New York moderator of roundtable on ‘Informality’
- 2013 University of Pennsylvania, ‘Ecologies’ Seminar, Philadelphia guest lecture for Ellen Neisse, “Aerial Ecologies”
- 2013 Studio X NYC (Columbia U, GSAPP), Aerial Arts Series, New York lecture series for “Aerial Arts” show organized and moderated events included guest speakers/panels: William Fox, Enrique Ramirez & Sonja Duempleman, Bradley Samuels & Laura Kurgan, Annette Fiero
- 2013 Cooper Union, ‘Chemical Elements in the Built Environment’ Seminar, New York guest lecture for Lydia Xynogala “Ice & Urbanism”
- 2012 Van Alen/NYASLA Pecha Kucha, New York lecture “Resurveying Walden”
- 2008 Ohio State University, Columbus Ohio lecture “Processing”

PUBLICATIONS

* Peer Review, ^ Graphics Featured, # Artist’s Book

- (FORTHCOMING.) **The Atlantic, Object Lessons Column** “The Precipitron” Longer essay and visualization exploring the liberal, market-based approach to pollution control as seen in Westinghouse’s 1940/1950 Precipitron ads and installations.
- 2019 APRIL **# Infra-Ordinary Chicago** An illustrated journey through the everyday landscapes of Chicago, as prompted by Georges Perec’s notion of the ‘Infra-Ordinary’. Self-Published on Amazon & hosted by the Sketchbook Project in Brooklyn, NY.
- 2016 JUNE ^ **Cartographic Grounds, various graphics in “Isobath/Contour” and “Stratigraphic Column”** from digital graphics at Stoss Landscape Urbanism, etc. Ed. Jill Desimini, Charles Waldheim.
- 2016 MAY **Plot, “Filter” (v5)** “The Precipitron” Short essay exploring the liberal, market-based approach to pollution control as seen in Westinghouse’s 1940/1950 Precipitron ads and installations.
- 2016 MAY **Ground Up, “Delineation” (v5)** “Re-Surveying Walden” article and infographics on refrigeration and resource relays in Thoreau’s urbanizing New England.
- 2016 FEB/SEP **2015 Bi-City Biennale Catalog, “Autonomy & AutoDigestion”** Co-Authored article exploring the construction of site metabolisms in 1960s informal architecture. Collaboration with Lydia Kallipoliti.
- 2015 JUNE **Plot, “Waste” (v4)** “Wastewoods” Infographic on energy, infrastructure, and resource relays in Thoreau’s urbanizing New England.
- 2014 DEC ^ **Digital Drawing for Landscape Architecture, various graphics in “Design Diagrams” and “Plan/Section Rendering”** featured work from graphic work at Stoss Landscape Urbanism and Landworks, etc. Ed. Bradley Cantrell, Wes Michaels.
- 2014 JUNE ^ **Projective Ecologies, various graphics in “Resilience” and “Adaptability”** featured work from ‘Detroit Works,’ ‘Bass River Park,’ ‘Tiachung Gateway Park,’ etc. Ed. Chris Reed, Nina-Marie Lister.
- 2014 MAY **Transects** short essay as compendium of Penn Design alumni & faculty work. Ed. Richard Weller and Meghan Talarowski.
- 2013 MAY ***Landscape Architecture Frontiers, v1.4** “Logistics in the Woods: Mapping Walden and its Glocal Resource Relays” The text situates discursive intervention, historic features, and documents involved in drawing the glocal logistics of the frozen water industry.
- 2013 MAY **Scenario Journal, edition 3** “NaCl: Enabling Emptiness” Infographic Series on salt logistics and immanent saline environments in the North East metropolitan corridor.
- 2011 DEC **Landscape Urbanism, edition 1** “Interview: Charles Waldheim” Informal interview. Edited in collaboration with Andi Hansen and Sarah Peck.
- 2009 OCT **Imagined Prisons, “Eastern State Penitentiary: Materialist Mutualisms”** Exploration of solitary confinement for blog for *The Prison & the American Imagination* by Caleb Smith, Yale U Press.
- 2008 SEPT ***Via: Occupation, v1** “Enduring Innocence?” Book review of Keller Easterling’s work.
- 2008 MAY **Power Fields: . . . Vito Acconci** “Vito Acconci in Conversation at Acconci Studio, New York” Curatorial text for Bergman Curatorial seminar and interview. Ed. Christine Poggi.

2008 MAY *Process 12* Penn landscape annual, studio work & independent study
 2007 MAY *Process 11* Penn landscape annual, construction detailing & studio work
 2004 NOV *The Common Space Journal* "Do You Know the Way to San Louie?" "River City Phoenix" Photo-essays/Essays on the Culture of St. Louis.

EXHIBITS, DEMOS, & LAUNCHES

* Curator or Producer

2019 JUNE **Curriculum Platform & Graphics, Bitspace, Chicago** Design of web platform for delivering maker-space curriculum for teaching k-12 student design thinking, construction, & electronics. I designed general web layout, developed graphics and brand guidelines under the leadership of curriculum coordinator, April Chancellor.

2018 DEC **Site Redesign & Development, GardenWorks Project Website, West Chicago** Design & templating of CMS site for allotment focused non-profit.

2018 OCT **Landscape Studies Initiative Platform Mock-Up, University of Virginia, Charlottesville** Development of applications designed to link period & primary source resources in landscape history to contemporary fieldwork and secondary studies thru cartographic and network visualizations. I designed and developed the demo applications working with Beth Meyers, Prof. of Landscape History, and Worthy Martin, director of Institute for Advanced Technology in the Humanities.

2018 APRIL **Charles River Museum, A Disability History of the United States, Waltham, Massachusetts** Design of history infographics in collaboration with Gann Academy students and teachers, Alex Green and Yoni Kadden.

2017 SEP-DEC **Religious Life after Luther; print impacts & artifacts, Newberry Library, Chicago** Development of two applications leading viewers through a) the religious geographies of 17th century Venice and b) the textual sources and engagements of Polyglot Bibles. I designed and developed the applications working with Christopher Fletcher, a Mellon research fellow, and Diane Dillon, director of exhibitions.

2015 DEC **2015 Bi-City Biennale of Urbanism/Architecture, Shenzhen, China** "Autonomy & Autodigestion" team. Led by Lydia Kallipoliti, with Kyong Kim. Concept Design and Infographics.

2015 JULY **Getty Institute/Harvard MetaLab, Beautiful Data II, Cambridge** "Corbu-Code" with collaborators: Bethany Johns, Robin Clark, Jared McCormick, Ainslee Meredith. Concept Design and Mock-ups.

2014 NOV **Brooklyn Navy Yard, Designing the Future, New York** "Mnemonic Table" with Saki Hayashi. Back-end support.

2014 APRIL **NYIT, WebVisions Conference, New York** "Mnemonic Making" with Saki Hayashi. Demo back-end.

2013 DEC **New York University, ITP Winter Show, New York** "Mnemonic Making" with Saki Hayashi. Demonstration, physical computing, front and back-end design.

2013 OCT *** Studio-X NYC (Columbia U, GSAPP), Aerial Arts Series, New York** "Aerial Arts: Defense Discourses, Cartographic Critiques" Infographic Series on 'Air-Age' geographies (WWII) and satellite imaging in the land art of Robert Smithson and Walter de Maria. Boards, Interactions, and Environments.

2012 JUNE **Pruitt Igoe Now Exhibition, St. Louis** "From Below: CSOs as Community Catalysts" Shortlisted proposal boards and video shown at Old North Saint Louis Restoration Group.

2012 SEPT **Studio-X NYC (Columbia U, GSAPP), Geologic Cities Exhibit, New York** "NaCl: Operations Enabling Emptiness" Infographic Series on salt logistics for the North East metropolitan corridor. Collaboration with Smudge Studios.

2008 SEPT **Winterspace, A Lot of Possibilities Exhibit, New York** "E 117th Street" Exhibition of alternate vacant lot and community garden proposals.

2008 MAY **University of Pennsylvania, ASLA Honors Exhibition, Philadelphia**

2003 JUNE **Architectural Association, Annual Show, London, Studio Works #11**

2002 MAY **Orientation Interdisciplinary Art Show, St. Louis** "Direct(ions)"

2002 MAY **Washington University, AIA senior honors show, St. Louis**

PROJECT EXPERIENCE

By Category/Phase: Concept, SD, DD, CD, CA, Management, Video, Design/Build, Planning Research, Web

BitSpace Curriculum Platform. Web. Design, Branding & Content Graphics
The GardenWorks Project, West Chicago, IL. Web. Design & Templating
Landscape Studies: Field Protocols, Charlottesville, VA. Sensing/Interface Prototypes. Mgmt
Landscape Studies: Research Interactions, Charlottesville, VA. App/Interface Prototypes. Mgmt
A Disability History of the United States, Waltham, MA. Exhibit Infographics.
Religious Change: Polyglots, Chicago. Exhibit Applications. Web. Exhibition Interfaces.
Religious Change: Merlo's Map, Chicago. Exhibit Applications. Web. Exhibition Interfaces.
Autonomy & Autodigestion, Shenzhen, CN. Exhibit Concept. Graphics. CDs
Massai Studio Marketing, Kenya/CCNY New York Video
Aerial Arts Exhibition, New York Concept. Design/Build. Video. Web. Management
Island 'Time' Electric Alternatives, Vinalhaven, ME Concept. Design
Hobby Hives Branding Campaign, Pittsburgh Concept. Design
Sugar Hill Arts Landscape Masterplan, Detroit Planning. Management
Porta Ciutat Meridiana (w/ f451), Barcelona Planning. Management
From Below: Pruitt Igoe (w/ E. Schlickman), St. Louis Concept. Video
HuangPu Riverfront South (w/ SOM), Shanghai Planning. Management
Taichung Gateway Park, Phase 1 & 2, Taichung, Taiwan Concept. Management
Streamlines Minneapolis Mississippi Riverfront Park, Minneapolis Co-Mngmt. Video
Detroit Works Planning Team, Detroit Concept. Planning Research
Harvard Common Spaces Plaza, Cambridge Concept-DD
Dolphin Development (w/ Amiha Winton Architects), Ankorwa, Turkey SD-CD
Laagland Park, Antwerp Concept, Management
Remembrance Park Western Flanders, Belgium Concept
Isabella Stewart Gardener Museum Gardens, Boston Concept-CD
Appleton Mill Art Yard, Lowell, MA Concept
Erie Street Plaza, Milwaukee CD-CA
University of Toronto School of Architecture, Toronto Concept
Fox Riverfront, Green Bay, WI CD-CA
Syracuse University College of Law, Syracuse Concept
Garden Passage, Pittsburgh Concept
Western Avenue Stormwater Strategy, Cambridge Concept
AIA Headquarters Plaza, Washington DC DD
Blackstone History Center, Wooster, MA DD
Hillwood Estate Masterplan, Washington DC SD-DD
Gold Coast Urbanism, Queensland, AU Concept-SD
ESP Workshop Documentation/Enclosure, Philadelphia Design/Build
Elder Shirt Lofts, St. Louis DD-CD
Catalytic Urban Redevelopment Report & RIN, Pittsburgh Planning Research

ON-GOING PROJECTS

Artist's Book/Posters Project + Collaborations

A GREEN NEW DEAL

Starting from Alexandra Ocasio-Cortez's House Resolution, this project illustrates the Green New Deal (GND) to convey the 5 goals, 14 projects, and 15 processes for generating a just economic transition to sustainable energy, agriculture, and industry. The series uses an isotype vocabulary - derived from Rudolf Modley's work from the New Deal - to show embedded enviro-socio processes, explain the organization opportunities of the GND, and dissect precedents from the 1930s. The screen-printed posters/book serve as a collaborative anchor; I will be using them to contribute to courses and symposia on the Green New Deal at IIT (my students) and in tandem with projects at University of Tennessee, Ohio State, and University of Pennsylvania across the 2019-2020

academic year. I will also be seeking political adaptation of graphics by groups like Sunrise Movement and local DSA. From a printing perspective, this will be my first large series. I'll evolve the poster designs as I go - using spot color, ink gradients, and manual irregularities - to provide a sense of tactile, human-scale agency to the GND mission.

Artist's Book/Illustration Series

INFRA-ORDINARY CITIES

This series of small, illustrated books guides viewers through all the places I've lived in and loved, using the 'infra-ordinary' exploration prompts of writer Georges Perec to anchor accessible spatial histories. I've completed Chicago and am working on Pittsburgh, my home-town. New York, London, Boston, Philadelphia, St. Louis, Washington D.C., and rural Missouri are to come; each will offer viewers a sectional glimpse of vernacular streetscapes, using architectural details to reveal urban systems and adapted ecologies, from indigenous settlement to the present day.

SKILLS/TOOLS/LANGUAGES

year acquired Program versions & plug-ins, * taught

DRAFTING/MODELING

2001 autocad *
 2008 cadcam
 2005/12 rhino 4/5, grasshopper *
 2007 3dmax *

MAPPING/WEB/DATA

2007 qgis, arcgis, gdal *
 2008 html, css, sass, bootstrap
 2012 processing, paper.js, javascript, jquery *
 2013 php, mysql, ruby-on-rails,
 2016 node, postgresql, express, sequelize, git
 2016 react, redux, heroku, aws
 2014 python (2.7+) for analysis, rhino, webscraping *
 2013 api queries in xml, json, geojson, etc.*
 2014 r, tableau, three.js, webgl, svg
 2013 d3.js, mapbox, leaflet, misc. web-map packages
 2013 arduino and sensors, for prototyping

GRAPHICS/ANIMATION

2000 photoshop *
 2005 illustrator, indesign *
 2006 after effects, premier pro (cs 5+) *
 2013 pro tools 11, live, audition
 2010 flash/animate, misc. adobe
 2016 sketch, framer, inversion
 2019 procreate, affinity designer (tablet use)

DIGITAL FABRICATION

2005 laser cutting *
 2010 die cutting
 2007 cnc, 3d printing *
 2013 microcontrollers & basic circuitry

MACHINE/MANUAL CRAFT

2006 preservation woodworking
 1997 framing, drywall
 2004 exhibit lighting
 2004 exhibition installation/construction

FINE ARTS

2000 block/intaglio printing, oils
 1997 wheel pottery, raku & kiln firing *
 2018 screenprinting
 1996 sewing (basic pattern making)
 2013 soft circuit construction
 2006 misc casting techniques

LANGUAGES

French reading
 Dutch reading
 Catalan basic reading
 German basic speaking

PROFESSIONAL AFFILIATIONS

AIGA American Institute of Graphic Arts
ASLA American Society of Landscape Architects
CELA Council of Educators in Landscape Architecture
SAH Society for Architectural Historians
SCBWI Society for Children's Books Writers & Illustrators
SEH Society for Environmental History