



Isaac Michael Wilhelm



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Qualifications

Interdisciplinary design strategies for dynamic problem solving
Catalyst for positive meaningful disturbances in community and environment
Advance skillset in digital and physical design
Extensive global exposure harboring communicative leadership
Diverse work experience across multiple design, building, and infrastructure industries

Interests

Application of natural sciences in architecture/design. Specifically working with living organisms and conservation of biodiversity. Simultaneous physical material exploration and computational design. Psychological connotations of light, materiality, time, sound and scent.

Education

Central Saint Martins, University of Arts London, London, United Kingdom
October 2020 – June 2022
Master of Arts Biodesign, with Distinction

University of Southern California, Los Angeles, California, United States of America
August 2008 – May 2013
Bachelor of Architecture

Bowling Green State University, Bowling Green, Ohio, United States of America
August 2007 – May 2008
Bachelor of Science in Architecture (Expected May 2011)

Patrick Henry High School, Hamler, Ohio, United States of America
August 2003 – May 2007
Honours High School Diploma

Experience

IMWhatever Designs, United States of America
January 2018 – Present
Architectural Biodesigner, Owner/Founder

Designs and develops architectural, interior, commercial-kitchen, furniture, product, graphic, sculptural and photography projects. Implementation of sustainable building methods and materials. Design development through biological lab research and environmental field research. Prototyping via various digital and physical techniques. Responsible for various bureaucratic permitting processes, construction drawings, and project management for architectural projects. Manages finances, business development, and legal operations.

Digital Innovation Season (UAL ArtTemps), London, United Kingdom
July 2022
Workshop Coordinator, Student Ambassador

Assisted with introduction of foundational drawing techniques and design technology software to disadvantaged local teenagers. During one-week short course, guided secondary school students in sketch methods, 3D printing, graphic design, physical sculpting, etc. Aided immersive learning sessions with dance choreographer, graphic designers, robotic engineers, among others. Encouraged students to explore their identity through creative production for course conclusion public exhibition.

Builder-Direct Design Build Inc., Los Angeles, California, United States of America
December 2018 – November 2020
Freelance Architectural Designer, Site Superintendent

Consulted on designs and drafted architectural plans for commercial-restaurant, hospitality, and multi-family residential projects. Responsible for various bureaucratic permitting processes, construction drawings, project management, and site supervision.

Reed Architectural Group, Venice, California, United States of America

January 2017 – August 2018

Sr. Architectural Designer

Drafted architectural plans from concept to construction drawings. Developed interior & architectural concepts using various design skills. Facilitated design development with clients and various consultants. Researched and implemented planning and building codes. Worked with City and County Departments to obtain approvals and RTI. Project types included single family residential, multi-family residential, and commercial-restaurant.

Tony Owen Partners, Sydney, New South Wales, Australia

April 2016 – September 2016

Sr. Architectural Designer

Designed and drafted residential and commercial projects with direction from founding partner. Implemented and developed architectural concept design based on initial sketches and precedents. Responsible for execution and efficiency of Development Application materials.

MADA s.p.a.m., Shanghai, China - Beijing, China

May 2015 – January 2016

Design Director, Partner

Directed a team of international architectural designers for project types including commercial, cultural, hospitality, residential, transportation, mixed-use, interior, landscape, and urban design. Contributed to process of obtaining new projects and client relations. Communicated with clients, developers, consultants, and construction managers to ensure best project outcome. Scheduled project calendar for each project phase. Maintained team workflow with continuous efforts throughout various global offices. Managed internal manpower hours. Conceptualized designs and directed team on all phases of design with minimal input from Master Architect. Traveled China for site visits, presentations, and client/government meetings.

MADA s.p.a.m., Los Angeles, California, United States of America - Beijing, China

September 2014 – April 2015

Sr. Designer, Project Manager

Team leader of international architectural designers for project types including commercial, cultural, healthcare, hospitality, residential, mixed-use, interior, and furniture-product. Communicated with clients, developers, consultants, and construction managers to ensure best project outcome. Scheduled project calendar for each project phase. Managed internal manpower hours. Developed concept designs under direction of Master Architect. Advanced schematic design and design development phases with assistance from Principal Architect. Designed brand identity graphics for various associated companies. Traveled between Los Angeles, California, and Beijing, China, as needed by projects.

Reed Architectural Group, Venice, California, United States of America

July 2014 – September 2014

Freelance Architectural Designer

Drafted and designed residential projects with direction from Principal Architect.

Ewing Architects, Pasadena, California, United States of America

May 2014 – July 2014

Jr. Architectural Designer

Digitized architectural drawings from sketches for presentation, permitting, and bidding. Produced construction drawings including structural details, interior details, and custom furniture designs. Developed design solutions with direction from Principal and Senior Architects. Researched and scheduled materials, doors, windows, fixtures, and appliances.

City of La Habra Heights, La Habra Heights, California, United States of America

August 2013 – May 2014

Stormwater Project Coordinator

Coordinated with Regional Water Board staff and managed water specialist team responsible for developing WMP (Water Management Plan) to comply with Los Angeles County MS4 Permit. Duties included attending Water Board and San Gabriel River Watershed meetings, in addition to updating procedures and files on sediment erosion, septic failure/installation, sewer connections, and water discharges. Enforced municipal codes on sediment erosion and illicit water discharge. Developed municipal stormwater procedures and implemented Low-Impact Development & Green Streets Ordinance.

G.M. Crisalli & Associates, Syracuse, New York, United States of America

June 2009 – August 2009

Intern, Assistant Site Superintendent

Organized subcontractor bids and information. Oversaw and managed subcontractor progress of building sites. Interpreted construction drawings to on-site subcontractors. Resolved on-site conflicts between various subcontractors. Researched and identified prospective future subcontractors.

**Achievements
& Involvement**

American Fern Society, *Member*, 2021-Present

British Pteridological Society, *Member*, 2021-Present

UAL, Climate Action Plan, *Case Study: Forest School*, p. 19, 2022

UAL, Climate Crisis Network: Earth Day 2022, *Fern Spore Plating Public Workshop*, 2022

UAL, Entangled Futures: Rewilding Concrete, *Student Lecturer*, 2022

Inside LVMH, *Certification*, 2021

CSM, MA Biodesign, *Course Student Representative*, 2020-2021

Primo's Donuts announces Westwood Village Grand Opening, M. Luxury Angeleno, 2021

Nick Bateman & Maria Corrigan with Donut Wall, Inside Weddings, 2019

USC Architectural Guild, *Emerging Professionals Subcommittee*, 2018

FixNation & Architects for Animals Fundraise with Cat Shelter Showcase, Archinect, 2017

Reimagining Detroit: A+D Museum's The Architectural Imagination, Archinect, 2017

Bowlarama: California Bowling Architecture, 1954-1964, Archdaily, 2014

AIA, *Associate Member*, 2014

AIAS, *Member*, 2007-2013

USC Delta Chi Chapter, *Social & Sustainability Chair*, Member 2009-2013

USC SOA Student Exhibit, *Work Selected - Studded Lampshade*, Fall 2011

National Concrete Masonry Association Unit Design Competition, *Second Place*, 2010

USC SOA Student Exhibit, *Work Selected - Cartesian House*, Fall 2008

The Christophers Poster Contest: *One Person Can Make a Difference*, ***Finalist***, 2007

Boy Scouts of America, *Eagle Scout Award*, 2006

Buckeye Boys State, *Delegate*, 2006

Skills

3D Printing, Adobe Creative Collection, ArchiCAD, AutoCAD, BIM, CNC, Foraging, Laser Cutting, Grasshopper, Lightroom, MasterCAM, Material Engineering, Metalworking, Microbiology, Microscopy, Microsoft Office Professional, Moulding+Casting, Mycology, Photography, Photomatix Pro, Physical Model Building, Pteridology, Rhinoceros, SketchUp, Vacuum Forming, Videography, V-Ray, Woodworking, Wordsmith

Portfolio

Academic & Professional Portfolios

<https://www.imwhatever.co/portfolio>