

summary

**Sarah Winkler** has strong interpersonal-leadership skills and is both a licensed structural engineer and a licensed architect in the State of Utah. Her evolution and growth in architectural-engineering project management, design, and construction administration spans over 33 years of experience.

From 1987 to 2012, Sarah worked as a professional engineer on a wide range of industrial aerospace and military projects. From 1993 to 2012, she was Principal Engineer of her own A-E consulting firm. Her projects were typically one-of-a-kind specialized engineering studies, industrial military facilities, or processes (e.g., propellant recycling prototype facility, demilitarization, bomb wash-out design-build, biological & chemical agent testing labs, F-22 radar cross section facility, etc.). It was within this arena that her project management and team leadership skills were honed and she began to understand the untapped value of an intentional sustainable approach.

In 2012, Sarah returned to academics, giving herself the space to refine and add to her professional skill-sets. During three immersive years, she earned two Masters degrees in Architecture.

The holistic definition of sustainability she has grown to champion acknowledges the challenges and rewards of interweaving social equity, stewardship of resources, and economic viability where actual measurable performance is prioritized over anticipated outcomes.

At MHTN Architects (2015-2019), in addition to project architect responsibilities, she led the pre-design programming team from 2017 to 2019. And, as MHTN's first *Sustainable Strategies Associate*, Sarah strived to address the climate imperative. She resigned from MHTN in 2019 in search of a more research driven and practical application of sustainable design at the residential scale.

Her DBSL research, design and construction efforts prioritize supporting the need for affordable housing in Salt Lake City. The underlying premise is that such housing should be high-performing in terms of energy efficiency, durability, life cycle performance, and occupant comfort/satisfaction, integrating innovations in construction means and methods.

As DesignBuildSALT LAKE's current Director, Sarah's contribution to the design-build program develops from a unique combination of professional training, experience and motivation that ranges from a passion for understanding the big picture, taking advantage of potential synergies within interacting systems, embracing the complexities of a holistic sustainable perspective, through and into the weeds of technical analysis and comparative optimization.

education

University of Utah School of Architecture, <b>M.ARCH</b> Salt Lake City, UT	2015
Universitat Internacional de Catalunya ESARQ, Biodigital Architecture, <b>M.ARCH</b> Barcelona, Spain	2014
University of Texas School of Engineering, <b>M.S.</b> Austin, TX	1987
University of Texas School of Business, <b>B.B.A.</b> Austin, TX	1981
US Air Force Academy Colorado Springs, CO	1977-78

awards

- AIA Henry Adams Medal for Outstanding Academic Performance**  
University of Utah, School of Architecture, 2015
- King Student Medal for Excellence in Architectural Research**  
University of Utah, School of Architecture, 2015

professional practice

<b>Project Architect</b>	2016 - 2019
<b>Graduate Architect Intern</b> MHTN Architects, Salt Lake City, UT	2015-2016
<b>Principal Engineer   President</b> EASE, Inc., Salt Lake City, UT	1993 - 2015
<b>Civil/Structural Engineer</b> VA Medical Center, Salt Lake City, UT	1991-1993
<b>Structural Engineer</b> E.W. Allen & Associates, Salt Lake City, UT	1990-1991
<b>Civil/Structual Engineer</b> Thiokol Corporation, Promontory, UT	1987-1990

**Sarah L. Winkler, AIA, S.E., LEED ap, CPHC**  
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 Adjunct Assistant Professor  
 University of Utah School of Architecture  
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 winkler@arch.utah.edu

## teaching/academic

<b>Adjunct Faculty, ARCH 6955</b> <i>Independent Study Elective (DBSL)</i> University of Utah, SLC, UT School of Architecture	Spring 2021
<b>Adjunct Faculty, ARCH 4872-006</b> <i>Construction Experience &amp; Admin</i> University of Utah, SLC, UT School of Architecture	Spring 2021 (1/2 semester)
<b>Adjunct Faculty, ARCH 3611/6611</b> <i>Foundational Building TECH I</i> University of Utah, SLC, UT School of Architecture	Fall 2020 (secured QI Designation)
<b>Adjunct Faculty, ARCH 6373</b> <i>DBSL Build (Options 1 and 2)</i> University of Utah, SLC, UT School of Architecture	Fall 2020
<b>Adjunct Faculty, ARCH 6016</b> <i>DBSL Design Studio (Option 2)</i> University of Utah, SLC, UT School of Architecture	Fall 2020
<b>Adjunct Faculty, ARCH 6016</b> <i>DBSL Design Studio (Option 1)</i> University of Utah, SLC, UT School of Architecture	Summer 2020
<b>Adjunct Faculty, ARCH 6015</b> <i>Professional Integration Studio</i> University of Utah, SLC, UT School of Architecture	Spring 2020
<b>Adjunct Faculty, ARCH 3611/6611</b> <i>Foundational Building TECH I</i> University of Utah, SLC, UT School of Architecture	Fall 2019

licenses  
& accreditation

**Licensed Architect**, State of Utah, since 2016  
**Licensed Structural Engineer**, State of Utah, since 1993  
**LEED ap [bd+c]**, Green Building Certification Institute  
**PHIUS CPHC**, Passive House Inst. US, Certified Passive House Consultant

## professional affiliations

<b>Architects Institute of America [AIA]</b>	2016 - present
<b>Structural Engineers Association of Utah</b>	1991 - 2012
+ Board of Directors	1997 - 1998
+ Existing Buildings Committee	2007 - 2012
<b>Utah Engineers Council</b>	1997 - 2004
+ Executive Board	1999 - 2004
<b>University of Utah College of Engineering Industrial Advisory Board</b>	2000 - 2002

## interests

- means and methods to ensure long-term housing affordability while building resident financial equity
- Zero Energy/Zero Emissions: energy modeling, life-cycle assessment (embodied energy)
- mass timber construction
- pre-design | programming
- rhino/grasshopper, scripting

## references (included)

Pat Matheson, Deputy Director, Mountainlands Community Housing Trust  
801-403-7747, patrick@housinghelp.org

Paul Kuttner, Associate Director, University Neighborhood Partners  
801-972-3596, parl.kuttner@partners.utah.edu

Prof. DDr. Alberto Estévez, Chairman-Professor, UIC Barcelona  
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