

Joe Manganelli, AIA, NCARB, LEED AP BD+C, PhD
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Goal:

My goal is improving the capacity of the built environment to enhance human health, well-being, & performance.

Professional & Research Experience:

Owner, Design, Researcher: Providing human factors, information architecture & user experience research and design consulting, xplr design, llc

Architect IV: Leading/contributing to the design of industrial facilities, Fluor Enterprises (2017-Present)

Human Factors SME: Providing support for projects, Fluor Enterprises (2018-Present)

Part-Time Instructor: Teaching user experience research and design, Kent State University School of Library and Information Science (2014-present)

Postdoctoral Fellow: Contributing to the design and execution of distracted driving research and other driving-related research, Clemson University International Center for Automotive Research (2014)

Graduate Research Assistant: Contributing to environmental, product, and systems design and research, and instructing undergraduate and graduate students, Clemson University (2008-2013)

Designer 3: Contributing to the design of industrial facilities, O'Neal, Incorporated (2008/2009)

Designer 3: Contributing to the design of commercial & institutional facilities, Freeman & Major, LLC (2006-2008)

Designer 1, 2, 3: Contributing to the design of educational, institutional, and municipal facilities, HUNT Engineers, Architects, Land Surveyors, P.C. (2004-2006)

Detailer & Assistant Project Manager: Contributing to the design of specialty industrial equipment, architectural metalwork, and museum-quality displays, AccuFab, Inc. (2002-2004)

License/Accreditation:

Registered Architect in South Carolina (#9599), NCARB (#87172), LEED AP BD+C (#33505)

Skills (for basic to expert classification of skills, see long-form resume for details):

Human Factors, Information Architecture & Usability Analyses:

Usability analysis, use case elicitation, requirements definition, Cognitive Work Analysis, interviewing (individual, contextual inquiry, focus groups), card sorts, task analysis, heuristic evaluations, cognitive walk-throughs, affinity diagrams, blueprinting, ethnography, surveys, wireframing, Delphi method, Kano method

Systems Analysis:

Model-based Systems Engineering (MBSE), House of Quality (HoQ), Functional Analysis System Technique (FAST), Systems Modeling Language (SysML)

Design:

Conceptual design through construction administration, space planning, facilities evaluations and feasibility studies, program requirements development and management, field observations and reports, coordinating technical reports, client/engineer/contractor coordination, budget estimates, code research, sketching, rendering, technical detailing, technical spec writing, product & materials research, presentation materials

Software:

AutoCAD Architecture, Bentley AECOsim, Revit, Dynamo, SketchUp, Rhino, Grasshopper, MODO, LumenRT, MS Office Suite, Bluebeam PDF Revu, Xmind, Photoshop, Illustrator, Xara, Comcheck-EZ, SPSS, MagicDraw+SysML plugin, BSD SpecLink-E, SpecText/Master Spec, Axure, OpenStudio

Programming Languages:

Elementary HTML, CSS, Python

Education:

Clemson University – Clemson, South Carolina

Doctor of Philosophy, Planning Design & the Built Environment (PDBE) Program (December, 2013)

Master of Science, Applied Psychology, Human Factors Focus (May, 2016)

Auburn University – Auburn, Alabama

Bachelor of Architecture (May, 2002) - Cum Laude, Honors Scholar, Tau Sigma Delta, Golden Key

Bachelor of Liberal Arts (May, 2002) - Spanish - Cum Laude, Honors Scholar, Sigma Delta Pi