

C. Grey Isley

Email: cgrisley@gmail.com Phone: 919-215-6729 Portfolio: cgrisley.carbonmade.com

Education

Ph.D in Design, N.C. State University

Ph.D Candidate

Raleigh, NC 2017-Present

Master of Architecture, N.C. State University

Graduate Certificate in Energy and Technology in Architecture

Raleigh, NC 2013 – 2016

GPA 3.9/4.0

- Graduate thesis evaluated the use of digitally immersive spaces for the design and representation of architecture

MS in Architectural Studies, University of Florida

Concentration in Sustainable Design

Gainesville, FL 2012

GPA 4.0/4.0

- Coursework pertaining to sustainable practices, material, energy efficiency and their application in urban planning and design of structures.
- Included visit to Singapore to study rail line redevelopment plan.

Post Baccalaureate Studies, East Carolina University

Greenville, NC 2010 - 2011

GPA 4.0/4.0

- Completed 18 out of 30 hours in the Masters in Construction Management Program. Coursework included advanced study in construction scheduling, estimating, development planning and international construction management.

BS in Agriculture and Environmental Technology, N.C. State University

Raleigh, NC 1996 - 2003

- Coursework pertained to the design and management of agriculture and environmental entities and structures. Additional coursework was completed in mechanical engineering and biology.
- Post Baccalaureate studies included graduate work in construction project management, indoor air quality assessments, and water management.

Experience

Owner, E3 Building Concepts and S.O.C., Inc.

Burlington, NC October 2006 – Present

- Businesses concentrate on the promotion of sustainable technology within the construction industry by providing both sustainable remodels, construction services and building science consultation.
- Consultation services include energy audits, indoor air quality assessments, building system inspections, and sustainable program verification.
- Responsible for the verification of over 600 homes and multifamily units for Energy Star and HERS ratings.
- Used as an expert consultant for legal cases involving indoor air quality and contractor negligence.
- Provided technical assistance for the N.C. E-Conservation Program.
- Frequently spoke to various organizations and gatherings regarding energy efficiency and indoor air quality.

Honors and Accreditations

NCSU Ward Fellowship

NCSU School of
Architecture Digital
Technology Award

AIA Triangle
Fellowship Nominee

AEE Certified Energy
Auditor

N.C. Licensed Building
Contractor Qualifier

ACAC Certified Indoor
Environmentalist

ACAC Certified Mold
Remediator

ANST Compliant Level
1 Thermographer

RESNET HERS Rater

2012 BPI
Accreditation Board
Member

Skilled In

AutoCAD

SketchUp

Adobe Illustrator

Adobe Photoshop

Microsoft Office

Podium

RenderIn

Experience In

Rhino

Grasshopper

Unreal Engine

Substance

Graduate Research and Teaching Assistant, N.C. State University

Raleigh, NC January 2014 – 2016, 2017 - Present

Worked on two digital humanities projects, Victoria's Lost Pavilion and the internationally recognized Virtual Paul's Cross Project. Duties included the recreation of historical structures in Sketchup, the creation of virtual reality experiences and the creation of sound models.

Part-Time Instructor, Central Carolina Community College and Alamance Community College

Pittsboro, NC January 2012 - May 2014

Graham, NC January 2010 – May 2012

- Taught coursework in building science and energy analysis
- Provided technical oversight for ACC's NC Department of Commerce Student Energy Internship Program (SEIP) Grant from 2010 to its end in 2012. Supervised interns in over 60+ placements and 30+ unique energy audits of businesses.

COO, Appleblossom Energy

Harrisburg, NC May 2012 – June 2013

- Responsible for day to day operation oversight, management of large projects, program compliance and development of additional markets.
- Provided oversight and technical assistance for the energy efficiency retrofit of 400+ single family and multifamily homes.

Environmental Department Manager, Cary Reconstruction

Apex, NC May 2002 – October 2006

- Investigated and managed over 750 construction and environmental projects.
- Responsible for day to day management of the department, job acquisition, collections, marketing, and contract negotiations.
- Managed 8-10 employees daily and 15+ on special projects.

Conferences and Publications

Isley, G. (2020) *Sociotechnical Systems in Architecture* ARCC 2020 [Abstract Accepted/Not Attended]

Isley, G. (2020) *Building Performance: Value, Function, and Building Lifecycles* ARCC 2020 [Abstract Accepted/Not Attended]

Isley, G. (2019, May) *Collaboration in Design: A study of James B. Hunt Jr. Library* ARCC 2019, Toronto, Canada

Isley, G., & Rider, T. (2018, June) *Research-Through-Design: Exploring a design-based research paradigm through its ontology, epistemology, and methodology*. Design Research Society 2018, Limerick, Ireland. doi 10.21606/DMA.2017.263

Isley, G., & Gulling, D. (2018, May) *Software development within architecture: A graphical evaluation and discussion of its trends*. ARCC-EAAE 2018, Philadelphia, PA. doi