

Curriculum Vitae

Paul Mosher, Architect
Athens, GA

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Education

- 2017 **Master of Architecture**
Clemson University, Clemson, South Carolina
Community Design+Build Certificate
- 2015 **Bachelor of Arts in Architecture**
Clemson University, Clemson, South Carolina
Minor in Packaging Science

Teaching Experience

- 2019 – 2021 **Black Spectacles**
ARE Coach
Chicago, Illinois

Taught virtual workshops covering specific topics pertinent to the Architectural Registration Exams (ARE). Topics included Firm Financial Metrics, Understanding the Standard of Care, B101 Contract Revisions, and Selecting Project Delivery Methods. Each weekly virtual workshop consisted of 1.5 hours of guided instruction followed by .5 hours of open Q&A covering any topic specific to the Practice Management Exam.

Roles with Black Spectacles also included creation of lesson plans, reviewing and revising virtual presentations and workshops, joining as a guest on the Black Spectacles Podcast, and coaching ARE candidates through all exams.

- 2017 **Graduate Assistant**
ARCH 8730 – Environmental Systems Graduate Course
Clemson University

The course examined in detail the relationship between human comfort and the design of building envelopes and environmental systems. Covered the evolution of contemporary environmental systems and their appropriate application and integration with other design issues. Roles in the course included open office hours and grading tests.

2016

Teaching Assistant

ARCH 1510 – Architecture Communication
Clemson University

The course introduced principles and elementary vocabulary of architectural design in a collaborative studio which offered instruction in the specific skills of collaborative design composition, visual communication, oral presentation, and computer literacy. Roles in the course included hosting open office hours, desk critiques, grading studio projects, working with students to prepare presentations for critique, and critiquing studio projects in formal review settings.

2015

Teaching Assistant

ARCH 1010 – Introduction to Architecture
Clemson University

This course introduced students to the discipline and profession of architecture. Lectures covered a broad range of architectural issues, while the exercises and assignments gave the students the opportunity to build a strong foundation in visual studies. Roles in the course included group instruction based on syllabus created by course instructor, hosting open office hours, desk critiques, grading studio projects, working with students to prepare presentations for critique, hand drafting instruction and tutorial, and critiquing studio projects in formal review settings.

Inventions / Research

2022

Mass Timber Connector

Inventor | Patent Pending
Non-Provisional Application #17/807,118

A structural device for hanging mass timber panels from walls and the like, which allows for the use of mass timber panels in locations where traditional means of panel bearing are not feasible, such as at the intersection of load bearing fire barriers and floor assemblies in Type III construction.

2018

Building Framing System

Co-inventor | Patented
Patent #10156067

A novel framing system consisting of interlocking plywood pieces connected with zip ties that can be rapidly assembled by hand without the use of power tools by unskilled workers. The building system was designed, researched, and tested by a team of students and faculty between 2014 and 2017 at Clemson University. This patent was the first awarded to research conducted within Clemson's School of Arts, Architecture, and Humanities.

Professional Experience

Architecture & Built Environment

2023 – Present **Patch Architecture & Design**

Owner | Architect

Athens, Georgia

Full-service architecture firm focused on designing resilient architecture with a nod to historic and vernacular forms.

2022 – 2023 **Studio BNA Architects**

Project Architect

Athens, Georgia

Project Architect and Project Manager on various scales of commercial and residential buildings. Developed projects from schematic design all the way through construction, always striving to give owners a complete view of their projects by providing proper education on choices between construction cost, overall building performance, and how sustainability can affect capitalization rates.

Also led the firm in weekly or bi-weekly learning sessions on various building science topics like thermal performance, waterproofing, and wall assembly design, as well as other pertinent topics like building code research and pre-design code review.

2017 – 2022 **Cluck Design Collaborative**

Project Architect | Production Manager

Charlotte, North Carolina

Project Architect and Production Manager for a full-service Architecture firm specializing in adaptive reuse, single-family residential, multi-family residential, mixed-use residential, hospitality, workspace, and interior architecture. Primary roles include: overseeing all projects in construction document phase of design; reviewing and creating waterproofing, air sealing, vapor proofing, and thermal resistance details; design of building assemblies; code review and constructability checks for projects in all phases of design; creating, implementing, and teaching new workflows to peers; BIM management; consultant coordination; construction administration and various on-site observation.

2016

Synchronicity

Architect-in-Training | Work-study

Charleston, South Carolina

Work-study position while studying in Charleston as a masters student. Work included picking up redlines on construction documents, creating iterative designs for storefronts and houses located in historic districts, and meeting with clients to present designs and receive feedback.

2015

City of Charleston, Design Division

Urban Design | Summer Apprentice
Charleston, South Carolina

Worked for the City of Charleston Department of Planning, Preservation and Sustainability in the Design Division. The Design Division acts as the city's in-house design studio, collaborating with developers and other entities that shape the city. While at the Design Division, work included helping create a comprehensive bike plan for Charleston, creating content for a City of Charleston sponsored urban design gallery installation, and working with developers looking for ways to make their projects fit into Charleston's historic urban fabric while still achieving their density and resiliency goals.

2014

SMHa

Architect-in-Training | Work-study
Charleston, South Carolina

Work-study Position while studying in Charleston as an undergraduate student. Roles included photorealistic rendering, schematic design massing studies, as-built site and building measuring, and picking up redlines on construction documents.

Other Design

2020 – 2022

Patch Design, PLLC

Founder | Owner
patch-design.com

A personal outlet to provide an advocating voice for historic and cultural preservation in Charlotte, North Carolina, Patch Design provided modern, resilient building design solutions while promoting historically accurate details. Patch Design celebrated overlooked designs and their unacknowledged influence on the city and documented historic or culturally significant buildings that fell victim to Charlotte's desire to tear down and rebuild rather than to reuse and renew.

In addition, Patch Design produced drawings that explored intersection between energy efficiency, air sealing, waterproofing, off-the-shelf materials, dimensional lumber, proper classical proportions; better solutions for commonly butchered building details. Patch Design's plans, sections, and elevations are available for free use, similar to common builder's handbooks distributed in the late 1800's.

Patch Design also offered pro-bono time to neighborhood leaders to discuss the Charlotte zoning ordinance and the Charlotte Future 2040 plan. Education allowed passionate community members to join voices with professionals and speak knowledgeably with city council and other officials when they oppose insensitive development.

2013 – 2015 **Clemson University, Student Affairs Publications**

Graphic Designer | Student Employee
Clemson, South Carolina

Created in-house branding graphics for Clemson University Student Affairs Publications, including custom designed products like the Clemson University Campus Map used by all departments, the Clemson University Donor Christmas Card, various 3D printed trophies and awards, flash art of Clemson buildings for use on website, and collaborative work with students in the Clemson in-house print shop to create banners and wraps.

Professional Licenses and Organizations

2022–Present **Georgia Licensed Architect**

License #RA016729

2021–Present **South Carolina Licensed Architect**

License #10611

2019–Present **North Carolina Licensed Architect**

License #14749

2020–2022 **AIA Charlotte Architecture Month Committee Member**

Architecture Month Committee Co-Chair (2021-2022)

2019–2022 **American Institute of Architects (AIA) Member**

Member #38677165 – Membership Lapsed

2019–2021 **NCARB Record Holder**

Record #815782 – Membership Lapsed

2018–2019 **Construction Specification Institute**

Construction Document Technology (CDT) certified – Membership Lapsed

2017–2019 **Associate Member of American Institute of Architects (AIA)**

Membership Lapsed

Honors & Awards

2023 **Adaptive Reuse Citation Award, AIA Charlotte**

Seoul Food Meat Company, Charlotte North Carolina
Project Architect for Cluck Design

2022 **Residential Honor Award, AIA Charlotte**

Private Residence, Charlotte North Carolina
Project Architect for Cluck Design

2022 **Adaptive Reuse Citation Award, AIA Charlotte**

Parkwood Church Apartments
Project Architect for Cluck Design

- 2021 **Best Historic Preservation, Structural Engineers Association of North Carolina**
 Parkwood Church Apartments
 Project Architect for Cluck Design
 Structural Engineers - Bennet & Pless, Inc.
 Project Architect for the adaptive reuse of a historic church property in the Villa Heights Neighborhood in Charlotte, North Carolina.
- 2017 **Charlotte AIA Firm of the Year**
 Cluck Design Collaborative
 Job Captain for Cluck Design
- 2017 **Harlan A. McClure Award Finalist**
 Clemson University
 Member of 1 of the 4 teams shortlisted for the award for the most outstanding graduate student project.
- 2016 **Robert Miller Award for Rigor**
 Clemson School of Architecture
- 2014 **Ray Huff Award for Excellence**
 Clemson School of Architecture
- 2014 **Best In-House Graphics**
 Graphic Design USA
 Clemson University Die-Cut Christmas Card
- 2014 **Student Flexible Packaging Design Challenge, 2nd Place**
 Flexible Packaging Association
 Self-supporting Trail Mix Tear Away Pouches

Community Design

Built work

- 2016 **SimPLY Crop Stop**
 Rapid Assembly Community Food Prep Kitchen
 Charleston, South Carolina

The third iteration of the Crop Stop community kitchen, designed from Clemson's novel plywood framing system, SimPLY, and intended for more mass production than previous custom iterations of the Crop Stop. In addition to the Crop Stop programming, the project iterated upon the SimPLY framing system and established a new grid and spacing system to increase the yield of future projects using plywood framing cut from 4'x8' plywood sheets.

2016

Indigo Pine IPD

Student Housing and BBQ Pavilion
PeeDee, South Carolina

This student research and design-build project was the second iteration of a SimPLY plywood framed building. The project explored the utility of the SimPLY framing system's interchangeable pieces by limiting the design of two-bedroom student housing to pieces in another SimPLY project. No custom pieces or new pieces were allowed to be used and all designs were pure iterations of the first SimPLY project. In addition to the SimPLY project, a BBQ pavilion was designed and fabricated in Clemson, South Carolina, and shipped to Clemson's Research center in PeeDee for erection.

2014

YWCA Beehive

Outdoor Classroom, Learning Garden, and Childcare Pickup
Asheville, North Carolina

A student design-build project funded by the Asheville Design Center. The project's \$90,000 project budget was reduced to \$10,000 after solicitation of community and corporate donations.

2014

Crop Stop

Community Food Prep Kitchen
John's Island, South Carolina

A student design-build project in collaboration with College of Charleston and the Clemson University Extension office. Local micro farms lacked access to commercial kitchens to prepare their food for sale to Charleston restaurants seeking farm-to-table fare and local school systems looking to include local vegetables in their lunches. The Crop Stop offers a low-cost option for those farmers to rent a space at cost to clean, can, freeze, and bake their vegetables in a Department of Health approved facility.

Printed Work

2015

People Pedal Plan

Printed Presentation of Research
Charleston, South Carolina

A physical and digital publication of research collected throughout 2014 and 2015 about best practices for creating a more bikeable Charleston, including specific guidelines for phased introductions of bike infrastructure around the city and connection of existing bike-safe streets. The research resulted in the permanent conversion of a lane on the bridge from West Ashley to the Charleston peninsula into a bike and pedestrian-only path. Work was created in collaboration with 18 other urban designers, apprentices, city staff, and private bike interest group members. The entire project was overseen by Design Division Director Jacob Lindsey.

Publication & Exhibition

Articles about Research or Projects

2020 **Guidelines for the Establishment of Portable Points of Dispensing (PPOD), South Carolina, USA**

World Architecture, December 2020 Issue

Collaborator

Publication of research, prototyping, and work created in Spring 2020 by Clemson Studio V at the Clemson Architecture Center in Charleston (CAC.C). The project began with the documentation and workflow streamlining of the Medical University of South Carolina's rapidly deployed off-site specimen collection facility located in an abandoned mall parking lot. After the documentation of the drive-thru facility, work quickly shifted to the design of pop-up facilities that served populations without access to cars and or those without the ability to be relocated; that is, those who could only travel to a testing site by foot and those for whom travel was not possible and must have testing site brought to them. The proposed solution was a modified, unused, Porta-Potty outfitted with a window, protective through-wall gloves, and a positive pressure HEPA filtered air system which could be fabricated from off the shelf parts in 1 day for a cost of \$15,000 per pod. The result was a low cost testing unit which complied with the American Center for Disease Control's guidelines for testing safely at that time.

2017 **University students develop new building method with zip ties, wood and hand-powered tools.**

Architecture and Design Magazine Website, May 07, 2017

Article describing Clemson University's novel plywood framing system.

2017 **Clemson architecture team develops a new way to build.**

Clemson World Magazine Website, 04/24/2017

Author: Jeannie Davis

Online article about the novel SIMPLY framing system and its various iterations since its first invention in 2014.

2016 **UPIC Alumni Bio: Paul Mosher**

UPIC Magazine Issue 5

Exhibition

2017 **Harlan A. McClure Award Finalist Exhibition**

Gallery Exhibition

Lee Hall Broadway

Exhibition of work completed alongside fellow graduate student David Herrero for our final graduate Comprehensive Project. The work explored the marriage of pre-engineered metal building typologies with the warmth and grandiosity of mass timber for use by urban and suburban high schools.

2015 **Charleston by Design: Restoration of A City**
Gallery Exhibition
City Gallery, Charleston, South Carolina

An exhibition on urban design and restoration of the Charleston Peninsula during the mayoral term of Mayor Joseph P. Riley. Work created included physical archive research to find historic photographs of Charleston, archived photo restoration, and capturing photographs with the same framing and views to show the contrast of the modern city with the same city from a half century earlier, along with diagrams explaining the expansion of Charleston and the design of various public works throughout the city. Creation of overall exhibition layout and exhibit design was shared with Design Division Director Jacob Lindsey.

Conferences and Presentations

Invited

2020 **ARE Live: Practice Management Virtual Workshop Exercise**
Podcast
Black Spectacles

Guest presentation on Black Spectacles ARE Live podcast, which is streamed live and allows those following along to ask questions about the material being presented. The podcast covered financial metrics valuable to the well-being of a firm and how to use data and formulas to establish billable rates, internal overhead rates, and yearly profit goals. The presentation was adapted from one of the presentations regularly hosted on by Black Spectacles as part of their virtual workshop program.

2018 **One Night Wonder; Future Shock**
Invited Event
Charlotte, North Carolina

Presentation of the SimPLY framing system and the CropStop Project at Discovery Place's annual STEM education fundraiser. Presented work alongside Clemson University faculty member Dustin Albright and three of his students.

Participated

2020 **International Mass Timber Conference**
Virtual Conference

2020 **2020 Aspire**
AIA South Atlantic
Asheville, North Carolina
Designing the Future

Invited Activities

Studio Reviews

- 2021 **Final Review Critic**
University of North Carolina at Charlotte
ARCH 7101 | Second Year Graduate Studio
- 2021 **Final Review Critic**
University of North Carolina at Charlotte
ARCH 2101 | Sophomore Studio
- 2021 **Midterm Review Critic**
Clemson University
ARCH 3520 | Studio V
- 2020 **Final Review Critic**
Clemson University
ARCH 3520 | Studio V
- 2020 **Final Review Critic**
Clemson University
ARCH 1510 | Freshman Studio
- 2017 **Final Review Critic**
Clemson University
ARCH 1510 | Freshman Studio

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