

Sara M. Laudeman, Assoc. AIA

Alpharetta, GA

Mobile: 919-698-2160

saralaudeman.com

sara@laudeman.com

Work Experience:

Project Manager | Architectural Designer, July 2020 – Current

Hiscutt & Associates, Inc.

Responsible for project management of architectural projects, including code review, project consultant coordination, client interactions, and CA.

Responsible for design development and implementation, including client presentations, design development, and construction documentation.

Adjunct Instructor, August 2020 – Current

Central Piedmont Community College

Adjunct Instructor for Elementary Statics for Architecture

Graduate Research Assistant, January 2019 – May 2020

Georgia Institute of Technology

Development of website for the School of Architecture with a focus on front-end website design, development, and implementation in HTML/CSS/JavaScript.

Work on computational design modeling in Kangaroo2, Kiwi3D, and Grasshopper.

Additional work in RhinoScript and Python on form remapping.

Program Assistant/Teaching Assistant, May 2019 - July 2019

Georgia Institute of Technology

Program/teaching assistantship for the Summer 2019 Barcelona Study Abroad

Responsible for coursework preparation, instruction, event organization, development and presentation of GIS data.

Teaching Assistant, August 2017 – May 2018

University of North Carolina - Charlotte

Teaching assistantship for Structural Systems and Computational Methods at UNC-C.

Education:

Georgia Institute of Technology, Atlanta, Georgia

Master of Architecture – May 2, 2020

Member of the American Institute of Architecture Students

Graduate Ambassador for School of Architecture

Member of the Tau Sigma Delta Architecture Honors Society

University of North Carolina at Charlotte, Charlotte, North Carolina

Member of the University Honors Program, Student Ambassador

Member of the Sigma Alpha Pi National Leadership Society

Member of the American Institute of Architecture Students

Bachelor of Arts in Architecture – May 10, 2018

Member of the Arts and Architecture Honors Program

Member of the Tau Sigma Delta Architecture Honors Society

Bachelor of Science in Mathematics – May 10, 2018

Member of the Pi Mu Epsilon Mathematics Honor Society (Secretary)

Department of Mathematics and Statistics Honors Program

Durham Technical Community College, Durham, North Carolina

Associate in Science: Engineering – May 9, 2014

Member of Phi Theta Kappa Honor Society

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Skills:

Proficient in: QGIS, GIS Concepts; Computer Skills; AutoCAD; Rhinoceros 3D Modeling, Grasshopper plug-in for Rhinoceros, Climate Studio, Karamba3D; Revit (with Dynamo and DesignScript); Adobe Illustrator, Photoshop, InDesign; Microsoft Office Suite; Matlab; coding and logic, C#, PHP, JavaScript/CSS/HTML, python.

Base proficiency in: Maple Computing Software. LUA coding. Kiwi 3D and Kangaroo 3D plug-ins for Grasshopper.

Languages: Spanish: reading comprehension, intermediate; verbal communication, intermediate

Research:

Noel, Vernelle A. A., Niloofar Nikookar, Jamieson Pye, Phuong "Karen" Tran, and Sara Laudeman. **"The Infinite Line Active Bending Pavilion: Culture, Craft and Computation."** CAADRIA (2021).
<https://caadria2021.org/session-2D#445>

"Derivation, Form Finding, and Structural Analysis in Catenary Derivate Shells" Honors Undergraduate Research Thesis in Mathematics and Architecture through UNC - Charlotte

Participation in **M.A.R.S. VIP program** through GTRI at Georgia Institute of Technology (F18, S19, F19, S20). **Team Leader** for Habitats and Integration sub-team (S19, F19, S20).

Research and Design Studio at Georgia Institute of Technology in **Shape Grammars and Computation** in Architecture: focused applications of visual search algorithms in design analysis and Development under Athanassios Economou (F19).

Research and Design Studio at Georgia Institute of Technology in **Responsive Systems and the Robot House:** creative systems-level design for responsive houses through the lens of Ballard's "1000 Dreams of Stellavista" under Lars Spuybroek (S20).

Honors and Awards:

Georgia Tech School of Architecture Leadership, Service, and Professional Promise Award, Spring 2020

Architecture Foundation of Georgia Merit Scholarship, Spring 2019

Portman Prize Studio, Third Place at Georgia Institute of Technology, Spring 2019

Lynn Hauser Pearce Memorial Merit Scholarship from UNC-Charlotte, Fall 2017

UNC-Charlotte **Chancellor's List** Fall 2014, Spring 2016, Fall 2016, Spring 2017, Fall 2017

UNC-Charlotte **Dean's List** Spring 2015, Fall 2015

Recipient of a **Research Grant** for Honors Thesis Research through the College of Arts and Architecture Honors Program for "Derivation, Form Finding, and Structural Analysis in Catenary Derivate Shells"