

Sara M. Laudeman
Atlanta, GA
Mobile: 919-698-2160
saralaudeman.com
sara@laudeman.com | slaudeman@gatech.edu

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
Employed as Graduate Research Assistant

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

Early Entry Master's Program in Architecture and Mathematics

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
Concurrent Enrollment and Graduation with high school

Work Experience:

Graduate Research/Teaching Assistant, January 2019 – Current

Georgia Institute of Technology

Employment in Georgia Inst. of Technology School of Architecture front office.
Focus on front-end website design, development, and implementation in HTML/CSS/JavaScript. Assistance in programming and outreach events.
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
Live-in resident assistant for students in Barcelona, Spain, teaching assistant for two architecture courses: City Literacy and Barcelona Architecture under Prof. Sabir Khan. Responsible for coursework preparation, one-to-one instruction, program event organization, live-in contact for students. Development and manipulation of GIS data for classroom presentation.

Sara M. Laudeman
Atlanta, GA
Mobile: 919-698-2160
saralaudeman.com
sara@laudeman.com | slaudeman@gatech.edu

Teaching Assistant, August 2017 – May 2018

University of North Carolina - Charlotte

Teaching assistantship for two courses in the College of Arts and Architecture, UNC-C.
Class instruction, grading, one-to-one instruction, and course management for
Structural Systems and Computational Methods.

Private Tutoring, August 2013 – Current

Private tutoring in a variety of subjects in Sciences and Mathematics.
Chemistry, Physics, Mathematics (Precalculus, Calculus, Trigonometry,
Differential Equations, Linear Algebra), Structural Systems for Architects,
Computational Methods for Architects.

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"

Research:

**"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).

Team Leader for Habitats and Integration sub-team (S19, F19).

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).

Skills:

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

Base proficiency in: Maple Computing Software. LUA coding. Reading Comprehension in Spanish,
intermediate to advanced. Verbal Communication in Spanish, intermediate. Kiwi 3D and
Kangaroo 3D plug-ins for Grasshopper.