

Shawn Womble

slwomble@ncsu.edu|919-434-8741

Raleigh, NC 27606

TECHINICAL AND PROFESSIONAL EXPERIENCE

Nonwovens Institute Research/Technician Assistant **January 2019-Present**

- Help team researchers and technicians with research projects, student projects, or trials
- Primary duties include knitting, creating sample books, and tensile testing
- Data conversion and transfer and excel used extensively to document inventories as well as data from research

Research Assistant **January 2019-April 2019**

- Worked with a professor at North Carolina State University on his project to develop CNT heaters for the government.
- Helped design the heaters as well as assemble them to desired specifications.
- Took apart old winding mandrel and assembled new large one to make large scale devices

Bamboo Mobile Health 3D Print and Model Builder **May 2018-Present**

- Medical Startup Bamboo Mobile Health helps improve the lives of people with chronic illnesses by keeping them informed via app and website
- Working as contractor to create 3d models and 3d print prototypes for current project

Senior Design **August 2017-May 2018**

- Senior course where teams of four are given challenges by sponsors to come up with final product or solution
- Working with Hanesbrands Inc. to develop a solution for 3D printing of garments
- Developing skills in using CAD software, research, good team dynamics and time management

Community Ambassador and Wolf Ridge Service Desk **February 2017-December 2018**

- Help residents in community by providing excellent customer service
- assisting with packages, mail, and general questions
- Learned time management, communication with public, multitasking, management and organizational

TE-589 Final Project **August 2018-December 2018**

- Designed an Arduino and LilyPad controlled, fabric based multitouch sensor.
- Learned basic Arduino programming, circuit design and testing, and Ideation processes.

EDUCATION

M.S., Textile Technology| North Carolina State University

Expected May. 2021

B.S., Textile Technology| North Carolina State University

December 2018

Minor in Business Administration| North Carolina State University

December 2018

Cumulative GPA: 3.10

Major GPA: 3.33

Relevant Courses

TT 331-Performance Evaluation of Textile Materials

TT 351-Woven Products and Processes

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TE 589-E-Textiles: Concepts, Materials, and System Design

COMMUNITY SERVICE

Volunteer and NC States Women's Center

Volunteer at The Scrap Exchange

Fall 20-15-Spring 2015

Lunch in the park with church

LEADERSHIP

Chancellors First Year Student Leadership Program

Fall 2015-Spring 2015

SKILLS

Programming- web design using HTML, CSS, programming languages such as Python

Software Usage- Autodesk Revit Architecture, AutoCAD, Inventor, Fusion 360, Processing and Blender.

Visual Design- 2-D and 3-D graphics artist

Textile Based: Favimat tester, circular knitting, air permeability, PMI, Keyence microscopy, tensile testing

HOBBIES AND INTERESTS

- Photography
- Shack-a-thon
- Visual design
- Drawing scenery
- Church events
- Albright Entrepreneurship Village