

# Stanley Terrell Anderson II

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## Local Address

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## Permanent Address

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## SUMMARY

Possesses a diverse core in mechanical engineering knowledge, spanning the gaps of thermal fluid sciences, design, materials science, computational analysis and project management. Strong research background with emphasis on oral and written communication of highly technical material, encompassing thermochemical processes and heat transfer. Leadership background includes positions in the National Society of Black Engineers and Black Graduate Student Association.

## EDUCATION

### University of Delaware, College of Engineering, Newark, DE

Bachelor of Engineering in Mechanical Engineering

May 2014

GPA: 2.89/4.00

### Clemson University, College of Engineering and Sciences, Clemson, SC

Masters of Science in Biosystems Engineering

May 2018

GPA: 3.18/4.00

## RELATED COURSEWORK

Biochemical Engineering  
Macroscopic Thermodynamics  
Fluid Mechanics

Advanced Engineering Mathematics  
Mathematical Methods of Physics  
Heat Transfer

Machine Design  
Experimental Statistics  
Instrumentation and Controls

## RELATED EXPERIENCE

### Graduate Research Assistant – Clemson University: Clemson, SC

September 2015 – present

Compiled two manuscripts on the effect of summer bridge programs on incoming freshman students and prepared a final report on. Current research relates to expanding the usage of enzymes to help develop more streamlined processes to begin cost estimating and system analysis. Biodiesel production using cottonseed oil and waste cooking oil were primary feedstocks used.

### Computer Science Instructor – Emerging Scholar Program: Central, SC

June 2016 – present

Taught more than 90 students in basic computer programming and website design. Students tasked with the development of small businesses and use website design to make a vision for their business. Others were introduced to the language of JavaScript while another group analyzed stock market trends and used financial measures to analyze financial viability.

### Freelance Tutor – Wyzant: Central, SC

January 2015 – September 2016

Tutored more than fifteen college students at Clemson University in a variety of subjects including calculus, physics, chemistry and introductory mechanics. Prepared lesson plans for each individual student and drafted several editions of custom notes based on specific lesson plans. Offered a variety of different resources to the students and meeting flexibility.

### Physics and Biology Instructor – Upward Bound: Newark, DE

June 2015 – August 2015

Created a six-week curriculum for students from eighth to twelfth grade in biology and physics. Each class numbered at around ten students and featured a variety of classwork, projects, labs and take-home activities to supplement lectures. A final was administered and the two classes averaged a B in the course.

## SKILLS

Proficient in computer-aided design using SolidWorks®, Autodesk® Inventor and Autodesk® AutoCAD software packages  
Skilled in analytical processes with software: MATLAB, NREL SAM, Python and Java in addition to PLC and CNC logic  
Proficient in electronic communication, Microsoft Word, Excel, Access, Project, Visio and PowerPoint

## LEADERSHIP EXPERIENCE

### Black Graduate Student Association - President

May 2016 – present

Lead a board of eight to revitalize the programmatic focus of the organization to increase paid membership by 400 percent from previous year. Raised \$400 in capital in first semester and implemented an advisor selection process for future administrations. Introduced two new executive positions to increase board productivity.

### National Society of Black Engineers – Region II Parliamentarian

May 2013 – April 2014

Served as the primary authority in issues concerning parliamentary procedure and governing documents. Trained and recruited over 70 chapter senators and oversaw the creation of a task force to report on the addition of a new executive committee. Coordinated the electoral process for the incoming board, totaling in 16 candidates with 54 voting members.