

# Joshua Brome

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## EDUCATION

**Tennessee State University , Nashville ,TN — Bachelors of Science in Civil & Environmental Engineering**

*Graduation May 2018*

## EXPERIENCE

**Tennessee State University Research & Sponsored Programs , Nashville, TN — Research Student**

May 2016 - PRESENT

Conducted Research and Co-Authored/Published Research Paper, “Radon Detection In Coconut Water”.

**Tennessee State University Research & Sponsored Programs , Nashville, TN — Research Student**

June 2016 - Present

Conducted Nanoscience Research and Design by fabricating current gas sensor technologies and integrating to cell phone case by way of mems microcontrollers.

**Tennessee State University Research & Sponsored Programs , Nashville, TN — Research Student**

June 2016 - Present

Linux operating system and fundamental computational modeling skill builder, and finite element analysis and a project-based hands-on workshop.

## PROJECTS

**C.A.R.E Initiative — Instituted and Led International Research & Empowerment Initiative**

*Instituted program which provides engineering and education solutions to disenfranchised populations worldwide while engaging the community at large through collegiate level practical application.*

**A.W.F.E — Instituted and Led first “A Walk For Education” in Middle, TN**

*Instituted program that provides education solutions locally to disenfranchised populations living within North Nashville .*

## LEADERSHIP

**American Society of Civil Engineers — President**

Leads all Student run Civil Engineering activities .

**National Society of Black Engineers — Pre-College Initiative Chair**

Stimulate the interest in science, technology, engineering, and mathematics fields

**Engineering Student Alliance — Board Member**

Assess productivity and govern engineering organizations

**University Marching Band — Instrumentalists**

## TECHNICAL SKILLS

AUTOCAD,  
SOLIDWORKS ,MICROSOFT;  
OFFICE, WORD, EXCEL , &  
POWERPOINT,

## HONORS - ACTIVITIES

**Global Student Leadership**

**Summit - Acquired**

Leadership Skills from

International Leaders

**Aristocrat of Bands -**

Performed on the South

Lawn of White House and

met the President and First

Lady .

French Horn enthusiasts