

Darian Bridges

Hometown: Kalamazoo, Michigan

Status: PhD Candidate,

Department: Mechanical Engineering – Fluid Mechanics

Undergraduate Institution: North Carolina A&T State University (BS Mechanical engineering 2012)

Current Activities/ Hobbies: University of Michigan Society of Minority Engineers and Scientists - Graduate, soccer, basketball, intramural sports

Past NSBE Involvement: I was a NSBE member during my 4 years at NC A&T. I also served as our chapter Pre-College Initiative (PCI) Chairperson my junior year.

Why did I choose to attend Graduate School?: When I came to NC A&T graduate school was not in my plans. As I progressed through my coursework I became increasingly interested in the technical content especially when it came to unsolved questions and active areas of research. During my summer internships in project management and manufacturing I did not get a chance to pursue these interesting questions. I concluded that the best way to investigate the engineering problems I found most interesting was to attend graduate school.

Research Summary: My goal is to improve the numerical models used to study fluid flow in nuclear reactors in order to improve safety and efficiency. I am doing that by applying high order numerical methods to simulate bubble dynamics in turbulent flows.

Career Goals: I plan to continue my fluids research at a national laboratory or government agency. Ideally somewhere where I can continue to apply my research to nuclear energy.