Thomas Ryland Rembert

Graduate Institution: University of California - Berkeley

Graduate Discipline: Electrical Engineering

Hometown: Shreveport, LA

Relevant SC Research: Basic Energy Sciences

Research Interest:

My most recent research interests include Dr. Ali Javey's work on functional nanomaterials for technological applications, specifically on flexible photovoltaics and flexible electronics. My previous research experience includes the study of the electrical transport properties of semiconductor quantum dot chains for the potential use of these nanostructures as thermoelectric materials. More generally, my research interests include the study and characterization of electronic materials that can potentially be used toward energy-related applications.

About Me:

This past May, I graduated from the University of Arkansas with a BS in Electrical Engineering and a BS in Physics. This upcoming fall, I will be enrolled in the Electrical Engineering and Computer Science PhD Program at the University of California, Berkeley. I will be working with Dr. Ali Javey's group, focusing on functional nanomaterials for technological applications. Eventually, I hope to attain a professor position at a university and continue my research on functional nanomaterials for energy-related applications. I am a member of Tau Beta Pi, Eta Kappa Nu, and Phi Beta Kappa honor societies. Also, while at Arkansas, I was heavily involved with the Society of Physics Students as well as being a mentor and recruiter for the College of Engineering and for our electrical engineering department. In my spare time, I enjoy playing almost every type of sport, but my favorite sport is soccer. I have played all of my life and hope to continue playing for as long as I physically can. I have also been known to play the piano and video games, time permitting.