

Mechanical Engineers

Nicholas G. Kraft
Undergraduate Senior M. E.
Treasurer

Nick is from the small town of Palm City, FL and is graduating with his B.S. in Mechanical Engineering from Florida State University in the Spring of 2014. He interned this past summer with a company called PowerPHASE, LLC located in Jupiter, FL which specializes in increasing the efficiency and power output of combustion turbines with its main product TurboPHASE. Along with PowerPHASE, he also worked a side project with Compact Container Systems on the assembly of the linear spring mechanism used to assist in the folding of the world's first foldable 40' storage container. After college, Nick plans on starting his career in the field of Power Generation or Aeronautics. His interests outside of school include his lifelong practice of Shotokan Karate and the great outdoors.

Tristian Jones
Undergraduate Senior M.E.
M.E. Project Lead

A senior in mechanical engineering from Rockledge, Fl, Tristian Jones excels in both his school work and extracurricular activities. His most valuable engineering experience came while working as a strength analyst as a summer intern at United Launch Alliance in Denver, Colorado. Outside of school, he plays a number of instruments including piano, upright bass, banjo, cello, and ukulele.

Lucas Santos
Undergraduate Senior M.E.
Researcher

I am Lucas Silveira dos Santos, I am an exchange student from Brazil in Florida A&M University. My major is Mechanical Engineering and I am currently part of Brazilian Scientific Mobility Program, scholarship sponsored by CAPES/Brazilian Government. I am also member of OGZEB ME team in Senior Design

Artur Souza
Undergraduate Senior M.E.
Lead Researcher

I am a senior mechanical engineering student from the state capital of Pernambuco, in the northeast of Brazil, and came to USA to improve my knowledge in my field of study with the help of the Brazilian government. I study in one of the best Universities of my country, and my area of interest is renewable energy, which I intend to focus after my graduation and where I already did some projects in Brazil.

Electrical Engineers

Corey Allen

Undergraduate Senior E.C.E.

E.E. Project Lead

Hi my name is Corey Allen and I attend Florida State University. I was born in Fort Myers, Florida and lived there until I was 18. Unlike most of the students here at FSU, I did not begin my college education until I was 22. During that time I was working at random jobs and having fun. I decided it was time to start pursuing a career I wanted.

The first step was to achieve a degree in Electrical Engineering. I choose this degree because my father is an electrician and I thought it would be an easy transition because I spent many weekends with him working. This exposed me to the world of power and it proved to be very beneficial when it came to my power classes. I passed all my power related classed with flying colors but I did not realize how broad of a field electrical engineering was. Luckily, I was able to bring my blue collar work ethic with me to school which helped me do very well in all my classes.

My work ethic allowed me to pick up another major, Computer Engineering. I always liked computers but never even considered getting a degree in that field. After a few programming classes I realized that I was pretty decent at writing and debugging code. Here I am now, 1 year away from graduating with 2 degrees and with Honors.

My last major hurdle at FSU is the Senior Design Project. I choose the Off Grid Zero Emission Building (OGZEB). I decided to go with this project over the others because I am currently taking the class Renewable energy. In this class, the OGZEB battery design was one of the final project choices. I saw this as an opportunity to work on a Senior Design project in two classes. After talking to Dr. Li and Dr. Frank, I was able to get on the OGZEB team. I am very excited for the opportunity to work on the battery redesign.

Anthony Cappelto

Undergraduate Senior E.C.E

Secretary/Battery Engineer

Anthony Cappelto is an Electrical Engineering student at Florida State University. He is currently a senior with a focus in power systems, electronics, and electromagnetics. More specifically, Anthony is interested in working on renewable energy systems, and battery technologies. This past summer, Anthony interned for CN railway where he worked with battery management systems and motion control electronics. After graduation, he plans on staying in school for an extra year to obtain his Master's Degree in Electrical Engineering though FAMU & FSU College of Engineering's 4+1 program. Other activities he enjoys outside of school are things such as, playing sports, online gaming, watching his favorite TV shows, and spending time with friends and family

Kristian Hogue
Undergraduate Senior E.E
Webmaster/Battery Researcher

I'm a student at Florida State University majoring in Electrical Engineering. I've resided in Tallahassee for most of my life and the 2nd generation of my family to attend FSU. Electrical Engineering became my field of interest when I worked as an IT technician during my early years as a college student. Since then, my expertise has grown and I've earned an internship with a company in town that I'm still currently working for. The OGZEB house was my number one choice due to my interest in clean energy and eliminating the need to using oil and other sources that harm the atmosphere.