

LATARENCE BUTTS

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Education

FAMU-FSU College of Engineering

Bachelor of Science, Electrical Engineering

Expected Graduation: Spring 2018

Notable Coursework: Mach Intel, Li Ion Batt Tech, Fields II, Senior Design (Drone Neutralizer), Semiconductor Dev Theo, Ctrl Sys Design, Li Ion Batt Sim & Dyn

Tallahassee, FL

GPA: 3.99

GRE: 317,4.5

Work Experience

Northrop Grumman Corporation (summer 2017)

San Diego, CA

Aerospace Systems

- *Designed and developed AIS messaging simulation for Navy HALE vehicle to be integrated on hot bench for stress testing of visualization systems.*
- *Completed Electromagnetic Interference/ Compatibility compliance for NATO program aircraft according to DO-160D, MIL-HDBK-516C, and MIL-STD-461, permitting flight in Sigonella, Italy.*
- *Traveled to Palmdale, CA to analyze communication systems for flight test operations, and F-35 manufacturing process.*
- *Developed visualization tool to track probability and consequence of hazards associated with noncompliances and integrated into the Northrop Grumman Sharepoint for internal use.*

FREEDM Systems Center (2016 - present)

Raleigh, NC

Undergraduate Research

Weathers@eng.famu.fsu.edu

- *Characterization and exploration of cathodic catalysts for lithium air batteries*
- *Fabrication, Pulse Charging, and Electrochemical Impedance Spectroscopy (LFP, LCO batteries)*
- *Presented to the National Science Foundation at NC State NSF Site Visit*

NextEra Energy Inc. (summer 2016)

Juno Beach, FL

Engineering Technical Services - Power Generation Division

Christine.mercier@fpl.com

- *Comms analyst for Converter Control Unit on Doubly Fed Induction Generator*
- *Configured SCADA monitoring for a fleet of wind turbine Uninterruptible Power Suppliers*
- *Completed standardized compliance reporting to North American Electric Reliability Corporation*
- *Traveled to Pennsylvania to perform wind turbine testing*

Notable Awards

2018 Student Academic Award (BEYA)

By Black Engineer of the Year Awards

AC3 App Challenge Winner

1st Place - FAMU

1st Team All-State Class 5A Basketball

By the Florida High School Athletic Association

National Achievement Scholar

National Merit Scholarship Corp.

Male Scholar Athlete of the year

By Suncoast High School

ESPN Player of the Week

By ESPN 760

Involvement

Tau Beta Pi Honor Society

Vice President

NSBE

Region III Conference 2016

Honors Program

Tier I (FAMU)

Skills

C, C++, C# for Microcontrollers

Intermediate Proficiency

Digital Logic Design (VHDL)

Intermediate Proficiency

HTML, CSS, JS, PHP

Advanced Proficiency