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Eric M. Giewont

Education

Virginia Polytechnic Institute and State University, Blacksburg, VA
B.S., Electrical Engineering, Graduating May 2018
Cumulative GPA: **3.82**

Work Experience

Center for Power Electronics Systems (CPES) Paid Research Assistant (Academic Year 2016 – 2017)

- Overall Objective:** Mitigate and contain EMI noise generated in **SiC based UPS modules**
- Characterization of **3-level SiC DC-DC power converter**
- Working on **gate driver PCB** design and population
- Assembly and testing of **LCL filter** for noise reduction

Danfoss Drives, LLC | Lab Support Technician (Summer 2016)

- Performed large scale **control power wiring** on medium voltage drives
- Learned **remote I/O checking** of the drives with Human Machine Interface
- Designed and soldered** circuits on common bus perforated board
- Tested and troubleshooted functionality** of control and measurement boards with software, multi-meters, and oscilloscopes
- Performed **partial discharge and power choke** testing on high voltage components
- Composed **engineering reports** for record keeping purposes

Amazon.com | Fulfillment Associate (Summer 2015)

- Trained in Picking Orders and Shipping Packages
- Certified to operate the Order Picker, a powered industrial truck

Leadership

FEARless, Director of Internal Affairs (IRS Recognized Non-Profit at Virginia Tech)

- Managing internal finances and keeping bank account records
- Recording and disseminating executive board meeting minutes
- Participating in the majority of FEARless led advocacy events and fundraisers

Awards and Recognitions

Dean's List with Distinction, Fall 2014, Spring 2015, Fall 2015, and Fall 2016 Semesters
National Society of Collegiate Scholars, Virginia Tech Chapter
IC (Intelligence Community) Scholars Scholarship Recipient (2016-2017)

Extra-Curricular Activities

PELS Power Electronics Society of Virginia Tech Member
ICCAE (Intelligence Community Center for Academic Excellence) Member (2016-2017)

Capabilities

C++ Language Basic Proficiency
Basic Circuit Prototyping and Analysis Experience
Digital Phosphor Oscilloscope Intermediate Proficiency
MATlab and LTSpice IV Simulation Experience
Mentor Graphics PADS Logic / Layout Basic Proficiency
Panel Pilot Basic Proficiency
Dock light Basic Proficiency
DPG10 Power Choke Tester Basic Proficiency

Certifications

High/Low Voltage Safety (NFPA 70E Regulation)