Kassandra Smith

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EDUCATION

The University of Texas at Austin — May 2018
Bachelor of Science in Electrical Engineering • Energy Systems and Renewable Energy

PROFESSIONAL EXPERIENCE

Eaton Corporation, Torrance CA Engineering Intern — May - August 2017
Updated over 300 engineering documents in AutoCAD and SolidWorks to bring department up to standards
Created schematics and PCBs using PCAD as part of on the job training
Automated the component selection process using VBA to reduce time spent per project

Kerberos International, Temple TX Communications System Field Intern — June - August 2016
Programmed and field tested over 170 General Dynamic ES2440s, ES520s, and Long Haul radios
Implemented photovoltaics as radio power source to allow for standalone operation

Kerberos International, Temple TX Engineering Intern — June – August 2015
Maintained content and design of company website
Bridged engineering background and sales to create literature for company

LEADERSHIP EXPERIENCE

President, UT IEEE Power and Energy Society — Fall 2017
Leading monthly meetings to develop the vision of the organization
Leading org meetings twice a month to provide community and professional development for members

Undergraduate Advisory Board Representative, Electrical & Computer Engineering Department — Fall 2017
Innovating resources offered by the ECE Department to create positive changes for student body
Working alongside department staff to implement innovations

Projects Team Member, UT IEEE Power and Energy Society — Fall 2016 - Present
Working on a team to develop real-life applications of topics covered in classes
Developing new projects and organizing part purchasing for the team

PROJECTS

Intelligent Power Grid Experimental System, EE 364D — Fall 2017
Designing and developing an experimental model of integrated power systems, incorporating distributed energy resources such as solar and wind energy, and energy storage

Mini Grid, IEEE PES UT Projects — Spring 2017 - Present
A miniaturization of the necessary parts of an electric grid including generation, transmission, and distribution for use in demonstrating contingencies

TECHNICAL SKILLS

AutoCAD • MATLAB • PCB Design • Python • Simulink • C • C++ • Java • LabView • PSPice • SolidWorks

ACCOMPLISHMENTS

Corporate Liaison, UT IEEE Power and Energy Society — 2016-2017
Outreach Coordinator, Women in Electrical and Computer Engineering — 2016-2017
Conference Coordinator, Women in Electrical and Computer Engineering — 2016-2017
First-Year Interest Group Mentor, The University of Texas at Austin — Fall 2015, 2016

HONORS AND AWARDS

Engineering Honors Scholarship — Cockrell School of Engineering
Power and Energy Society Plus Initiative Scholarship — IEEE Power and Energy Society
Award for Excellence in Technical Communication — David and Ruth Beer Endowment