

Andrea Schuman

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OBJECTIVE

Junior seeking an Electrical Engineering Internship for Summer 2018

Education University of Oklahoma, Norman, OK

Bachelor of Science in Electrical Engineering, GPA: 3.93/4.0, May 2019

EXPERIENCE

Wright-Patterson AFB Electrical Engineering Internship Dayton, OH, Summer 2016, Summer 2017

Mentors: Dr. Bob Simpson, Dr. Russell Vela

- Created a data link using dual-band antennas attached to UAV wings
- Fabricated and tested patch antennas
- Created a deployable application in MATLAB to characterize radar performance
- Formed Radar ISAR images in MATLAB
- Aided in deployment and operation of Mobile Bistatic S-Band Radar
- Presented summer work to Division Chief

Electrical Engineering Research Norman, OK, Winter and Spring 2016, Spring 2017

Mentor: Dr. Jessica Ruyle

- Investigated power handling limits of frequency reconfigurable antenna designs
- Tested magnetically actuated ferrofluidic antennas

High School Library Media Assistant Barrington, IL, Summer 2015

- Designed databases, brochures, and fliers
- Inventoried, labeled, and filed computers, media resources, and books and assisted patrons

COURSEWORK

- Electromagnetic Fields I
- Electrical Circuits I
- Programming Structures and Abstractions
- Introductory Electronics
- ECE Circuits Laboratory

SKILLS

- Familiar with: Java, MATLAB, Multisim, Eagle, Microsoft Office
- Semester abroad in Italy and international travel experience

ACTIVITIES

- InterVarsity Christian Fellowship, Leadership Team, 2015-Present

Head of Logistics, 2017-Present

- Lead a team of six members to organize weekly gatherings attended by over 100 members
- Assign and train members of Leadership Team to facilitate weekly discussion groups

Small Group Leader, Spring 2017

- Mentored students in a weekly Bible study
- Prepared the semester's curriculum including selecting passages to study and writing questions

- Alameda Church of Christ, **Volunteer Reading Tutor**, 2015-2016, Fall 2017-Present

- ΑΣΚ: Women in Technical Studies, **Society of Women Engineers Liaison**, Spring 2016

- University of Oklahoma in Arezzo, Italy, Student Activities Council, **Secretary**, Fall 2016

HONORS

- College of Engineering Dean's Honor Roll: 2015-2017
- Ernest W. Reynolds Engineering Scholarship: Fall, 2017
- National Merit Scholar: February, 2015