

Kevin A. Constien

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Profile

MS electrical engineering student with interest in phased array antenna design. Has experience in designing, simulating, manufacturing, and testing antennas with the help of Ansys HFSS (High Frequency Structure Simulator). Developed and tested filters and amplifiers in Multisim. Designed printed circuit boards (PCBs) in EAGLE. Proficient with programming in Java, MATLAB, Visual Basic for Applications (VBA), and C.

Education

University of Oklahoma, Norman, OK
Master of Science in Electrical Engineering

Fall 2018 – Fall 2019 (Expected)

University of Oklahoma, Norman, OK
Bachelor of Science in Electrical Engineering
Major GPA: **3.66/4.00** Overall GPA: **3.44/4.00**

2014 – Fall 2018

Relevant Skills

- Measuring antenna radiation patterns in Anechoic chambers
 - Characterizing and calibrating phased array antennas
 - Designing and testing antennas and microstrip filters in HFSS
 - Designing and routing physical circuit boards using EAGLE
 - Using network analyzers to measure antenna reflection coefficients
 - Developed filters in MATLAB to be used to filter sonar signals
 - Programming in Java, MATLAB, and C
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Achievements

Gallogly College of Engineering Dean's Honor Roll
Gamma Beta Phi Honor Society

Fall 2015 – Fall 2018
Spring 2016 – Present

Work Experience

L3 Advanced Systems and Technologies (Mustang Technology) - Internship (Summer 2018)

- Testing RF hardware using phase noise analyzers, power meters, network analyzers, spectrum analyzers
- Designing and simulating RF components using Ansys HFSS
- Performing signal integrity analysis to determine appropriate data transfer speeds using HFSS

ARRC (Advanced Radar Research Center) at OU - Internship (Summer 2017 – Present)

- Currently working as an undergrad research assistant for the Phased Array Antenna Research and Development Group (PAARD)
- Used anechoic chambers to characterize and calibrate phased array antennas
- Developed scripts to automate the process of measuring the radiation patterns of antennas