

Joshua Reynolds

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Objective	To attain a position in the field of antenna engineering
Education	B.S. in Electrical Engineering, May 2016 University of Oklahoma, Norman, OK GPA 3.67 M.S. in Electrical Engineering, May 2017 University of Oklahoma, Norman, OK
Relevant Experience	Advanced Radar Research Center, 2014-Present <i>Graduate Research Assistant</i> <ul style="list-style-type: none">• Extensively used FEKO and HFSS to create RF simulations• Designed and fabricated baluns, antennas, and transmission lines through photolithography• Tested and measured antennas in anechoic chamber using Keysight software• Analyzed anechoic chamber characteristics through use of spatial Fourier transforms and Geometrical Optics CNS Communications, 2010-2011 <i>Electrical Contractor</i> <ul style="list-style-type: none">• Reviewed and edited plans for installation of ground-air navigational equipment• Troubleshoot, repaired, and maintained existing ground-air equipment• Supervised crew of 3-4 men in day to day operations with FAA field engineers at JFK International Airport United States Army, 2006-2010 <i>Field Artillery Tactical Data Systems Specialist</i> <ul style="list-style-type: none">• Squad Leader of 6-7 soldiers, E-4 Rating• Designed and implemented fire plans using AFATD system• Extensively used mathematical and computational procedures to calculate accurate artillery fires
Projects/Skills	Languages C/C++, Python Application Software: LabVIEW, MultiSim, PSpice, AutoCAD, MatLab, HFSS, FEKO, Eagle, Xilinx, LaTeX
Honors and Activities	Activities: Eta Kappa Nu - Secretary Triangle Fraternity - Programming Chairman, Philanthropy Chairman, House Manager Institute of Electrical and Electronics Engineers at OU - President Sooner Competitive Robotics Mercury Competition - Electrical Design Team Member Awards: Recipient of Marjorie Haskell Scholarship Recipient of Triangle Rust Scholarship College of Engineering Dean's Honor Roll Member - Fall 2012, Spring 2013, Fall 2013, Spring 2014, Fall 2014, Spring 2015

