

Taylor Poydence

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1800 Beaumont Drive, Apt 1334A, Norman OK 73071

- OBJECTIVE** Obtain a position as an RF Engineer or Antenna Design Engineer
- EDUCATION** **The University of Oklahoma, Norman Campus**
B.S. Electrical Engineering, Mathematics Minor (May 2016)
M.S. Electrical Engineering, Accelerated Degree Program (May 2017)
G.P.A: 3.93
- RELEVANT COURSEWORK**
- *Completed Coursework:* Intro. to Electromagnetic Fields, EM Fields and Wave Propagation, RF and Microwave Filters, Antennas, Communication Theory
 - *Current:* Digital Communications, Microwave Systems and Components
 - *Expected:* Advanced Antennas, Radar Engineering
- SKILLS**
- CST Microwave Studio
 - High Frequency Structural Simulator (HFSS)
 - MATLAB Programming
 - Other Software: Multisim, Microsoft Office Suite, Autodesk Inventor
 - Machine Shop Equipment
- EXPERIENCE**
- Advanced Radar Research Center – University of Oklahoma**
Graduate Research Assistant (August 2016 - Present)
- Developing a weather UAV antenna package to improve communication link robustness
- L-3 Mustang Technology**
RF Hardware Intern (June – August 2016)
- Designed and tested an antenna for phased array applications
- Advanced Radar Research Center – University of Oklahoma**
Undergraduate Research Assistant (August 2015 – May 2016)
- Researched UAV antenna systems for improving communication links
- Lincoln Laboratory – Massachusetts Institute of Technology**
Electrical Engineering Research Intern (June – August 2015)
- Modeled a system in HFSS for RF energy harvesting employing metamaterials
 - Developed and simulated designs for miniaturized antennas in HFSS
- Advanced Radar Research Center – University of Oklahoma**
Undergraduate Research Assistant (January – May 2015)
- Developed and tested novel designs for frequency-reconfigurable slot antennas
 - Developed MATLAB code to apply transmission line approximations to frequency-reconfigurable slot antenna designs
- Vector Marketing**
Sales Advisor (July – August 2013)
- Performed direct sales to and aided in repairs for clients
 - Advised new salespersons in communication and sales techniques
- Lennox International**
Controls Engineering Intern, (February - May 2012)
- Operated AVR studio and MPLAB to diagnose faults in control interface systems

INVOLVEMENT & LEADERSHIP

- Eta Kappa Nu, Electrical Engineering Honor Society
 - Vice President (2015-2017)
- Tau Beta Pi, Engineering Honor Society
 - Treasurer (2015-16), Publicity Chair (2014-15)
- Institute for Electrical and Electronics Engineers, OU Student Branch
 - Treasurer (2015-16)
- Kappa Kappa Psi, Delta Chapter
 - Alumni Officer (2015-16), Sergeant at Arms (2014-15)
- Pride of Oklahoma Marching Band, Trumpet Player
- OU Ultimate Frisbee Fall League 2016
- OU Sailing Club

AWARDS & SCHOLARSHIPS

- President's Honor Roll
- Engineering Dean's Honor Roll
- OG&E Energy Corp. Sooner Heritage Scholarship
- P.H. Robinson Electrical Engineering Fellowship
- Billy Couch Electrical Engineering Scholarship
- JoAnna Newman PRIDE Scholarship
- Will and Helen Webster Scholarship
- Gene P. Thrailkill Music Scholarship
- Tomorrow's Engineers Scholarship
- Award of Excellence Scholarship
- William H. Barkow Scholarship