

Jerry Bickett
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Education

- **Electrical Engineering** major, Aerospace Studies minor
- **University of Oklahoma**, Class of 2016
- Cumulative GPA: 3.65 Major GPA: 3.62

Honors

- Obtained Top Secret/SCI Clearance with Poly
- Eagle Scout
- Received Grant and Honors Award from The Armed Forces Communications and Electronics Association
- Member of Tau Beta Pi Engineering Honor Society
- President's Honor Roll, Dean's Honor Roll

Community Service

- Volunteered for a week long cub scout summer program
- Volunteered to help at children's carnival at Monroe Elementary School
- Helped man the Habitat for Humanity Resale store

Employment

University of Oklahoma Advanced Radar Research Center

Undergraduate Research Assistant Hours per Week: 10 to 20 May 2015- Present

- Aiding in the development and testing of reconfigurable antennas
- Trained in anechoic chamber antenna testing
- Current research in reconfigurable, capacitive end-loaded, slot antennas

Ball Aerospace and Technologies

Undergraduate Research Assistant Hours per Week: 40 May – August 2016

- Aided in redesign of a conformal phased array for aircraft communications utilizing HFSS and MWO AWR
- Also helped optimize adaptive beam forming algorithm using Matlab
- Create a quick antenna analysis tool for the project using python and Matlab
- Created final antenna design in Solid works so technicians could fabricate antenna
- Aided in anechoic chamber testing of designed antenna

National Reconnaissance Office

Undergraduate Research Assistant Hours per Week: 40 June - July 2015

- Worked with software defined radio, antenna and satellite communications research
- Most research was conducted utilizing GNU-Radio and an Ettus USRP
- Coding conducted using Matlab, Python and C++ to obtain and process communication signals

University of Oklahoma College of Engineering

Tutor Hours per Week: 10 August - May 2015

- Help fellow peers understand a variety of subjects such as:
 - Calculus 1-3, Linear Algebra
 - Physics 1-2
 - Electrical Circuits 1, Digital Signals and Filtering

Huston Huffman Fitness Center

Facility Supervisor Hours per Week: 15-20 May 2013 - August 2014

- Customer Service
- Supervise other employees work performance and safety of gym members
- Assist in emergency situations