

# Ian D. Grady

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## **Education**

University of Oklahoma: Expected graduation date May 2017

B.S. in Electrical Engineering: **4.0 GPA**

## **Work Experience**

Intern at Naval Research Labs: Summer 2016

- Coded an ARM Mbed to talk to a Direct Digital Synthesizer over SPI for the Navy's Cicada Project
- Designed broadband Vivaldi Antennas using Ansys High Frequency Electromagnetic Field Simulation Software.

Undergraduate Research Assistant at OU Advanced Radar Research Center: Spring 2016-Current

- Designing a sensor array for direction of arrival finding for a tunable slot antenna array.
- Created an analog frequency tuning circuit using super-heterodyne receiver structure.

Repairs Coordinator at KISS Institute for Practical Robotics: Spring 2014-Spring 2016

- Troubleshoot and repaired the The KIPR Link and KIPR Wallaby, both Linux based robotics controller. Found solutions for previously unfixable controllers that have saved the company thousands of dollars.
- Taught Workshops and Summer Camps on programming and STEM knowledge to children ranging ages 6 to 18.

## **Campus & Community**

Jerry Holmes Engineering Leadership Associates

- Member of the Inaugural Class for the engineering leadership program at the University of Oklahoma.

Sooner Electric Racing

- 2015-2016: General Design Lead
- Attended the annual Electric Vehicle Grand Prix held in Indianapolis Indiana, placing first in design and third overall.
- Manage all modifications made to the kart, created year end design reports for competition, mentor new members to apply innovative engineering.
- 2014-2015: Mechanical Design Lead
- Managed the mechanical designs and modifications made to the kart throughout the semester to compile into an end of year report.

Triangle Fraternity

- 2015: Vice President
- Delegate to the bi-annual National Convention to rework fraternal legislation as well as help guide the growth of the fraternity as a national organization.

Botball (Competitive Robotics): 2007-2014

- 2nd place finishes at the global competition held in Hawaii in 2012 and Norman in 2013.
- Built and programmed fully autonomous robots to complete challenges set forth each year.

## **Honor Societies and Awards**

Tau Beta Pi (Fall 2015), Eta Kappa Nu (Fall 2015), Oklahoma State Regents Institutional Nominee (Spring 2014), National AP Scholar (Spring 2014), ECE Scholar (Fall 2016-Spring 2017)