

# Michael Pahl

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## EDUCATION

University of Oklahoma, Norman, Oklahoma

**Bachelor of Science in Electrical Engineering**

**GPA 4.0**

Expected to Graduate Date Graduate: May 2018

*Relevant Classes Taken by Summer 2017:*

- *Digital Signals Processing (Graduate)*
- *Introduction to Communications (Graduate)*
- *Antennas (Graduate)*
- *Electromagnetic Fields and Wave Propagation (Graduate)*
- *Solid State Electronics*
- *Senior Capstone*
- *Electromagnetic Fields I*
- *Electronics Laboratory*
- *Introductory Electronics*
- *Energy Conversion I*

## EXPERIENCE

**Texas Instruments Internship**, Dallas Texas

*Applications Engineer*

- Catalog Processor RTOS team, worked on AM437x Industrial Development Kit. May 2016—August 2016
  - Learned CCS and RTOS basics, reviewed SYSBIOS examples, helped team with E2E
  - Benchmarked AM437x IDK Ethernet communication protocol: setup test environments, embedded test code, created test documentation. Protocol Tested: Precision Timing Protocol, Ethernet MAC, Device Level Ring

*Product Marketing Engineer*

- Simplink Wi-Fi Product Marketing team. May 2015 – August 2015
  - Learned and taught team PAD. Coded in VBA an analytics tool specific for Warboarding with data from the PAD. Analyzed financial reports for Business Unit
  - Oversaw distribution of TI Design to worldwide sales force, created video for TI Design, reviewed demos and web-documents, worked with CC3200 Launchpad

**Undergraduate Research**, University of Oklahoma, August 2016 – Present

- Beginning research with Dr. Jessica Ruyle in the Radar Innovations Lab.

**Dean's Leadership Council Tutor**, University of Oklahoma, August 2015 –May 2106

- Tutors are placed in the engineering library, and students of all classes can come ask any question

**Programming and Software Experience**, University of Oklahoma

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- Multisim
- MATLAB
- Eagle
- C, C++
- Python
- Linux

## PERSONAL ACTIVITIES

*Beagle Bone Device*

## **PERSONAL ACTIVITIES**

### *Beagle Bone Device*

- *Programed ARM® Cortex-A8 processor running Linux using Putty as a portal and programed in Python and C. Bread board simple LED and switch, connected device to internet and enabled it to send emails.*

### *Wired Home for Gigabit Ethernet*

- *Installed Gigabit Ethernet Switch connecting wall closet to outlets via category 5 wire using crimping tool*

### *Community Involvement*

- *Children's small group leader in local church, Jan 2016 – Present*
- *Annual Overseas Mission trips, March 2015, March 2016*
- *Serve my local church in various ways such as a greeter, special events volunteer, Habitat for Humanity*