

## Education

- Master of Science, Electrical and Computer Engineering** December 2021  
University of Oklahoma, Norman, OK
- Bachelor of Science, Electrical Engineering** December 2020  
University of Oklahoma, Norman, OK
- Minor in Mathematics*  
Overall GPA: 3.93/4.0
- Associates of Science, Engineering** May 2018  
Oklahoma City Community College, Oklahoma City, OK

## Experience

- Advanced Radar Research Center, UGRA** Spring 2019 – Present
- Performed Coplanar Waveguide optimization using Ansys HFSS
  - Designed a RF PCB using Autodesk EAGLE
  - Designed a 1 GHz bandpass filter
  - Designed a 15 GHz patch antenna
- NASA Goddard Space Flight Center, Engineering Intern** Summer 2020
- Assisted in the design and testing of a radar system by creating a model of a radar transceiver and frequency conversion device using Keysight ADS.
  - Optimized tuning of a SSPA
- National Transportation Safety Board, Intern** Summer 2017
- Worked with several professionals to repair the Highway Safety Crash Database
  - Assisted in the Buloxi, Mississippi investigation
  - Summarized Alcohol-Impaired Driving for the Road to Zero Project
- American Machine and Tool, CNC Machinist** 2012 – 2017
- Used MasterCAM to write programs to mill and turn parts to specifications
  - Used VTL's and milling machines to manually machine parts to specifications

## Honors and Awards

- Deans Honor Roll
- Cobell Scholarship recipient
- Intel Growing the Legacy Scholarship recipient

## Skills and Coursework

- Software: Ansys HFSS, MATLAB, Keysight ADS, Altium, Autodesk EAGLE, Multisim
- Hardware: Oscilloscope, Network Analyzer, Soldering
- Programming Languages: C/C++, Python
- Coursework: EM Fields and Wave Propagation, Digital Signal Processing, Radar Imaging, RF and Microwave Circuits, Radar Engineering

## Activities

*Co-founder and Secretary:* SEDS OU  
*Treasurer:* OCCC Engineering Club

*Member:* IEEE HKN  
*Member:* AISES