

## Education

- Master of Science, Electrical and Computer Engineering** May 2021  
University of Oklahoma, Norman, OK
- Bachelor of Science, Electrical Engineering** May 2020  
University of Oklahoma, Norman, OK  
Overall GPA: 4.0/4.0

## Experience

- Advanced Radar Research Center, UGRA** Spring 2019 – Present
- Performed broadband RF backscatter measurements with multi-path clutter cancellation to improve chamber dynamic range
  - Conducted link budget analysis for a step frequency continuous wave biomedical system
  - Designed program to tune an adjustable patch antenna with magnetically actuated ferrofluid loads
- Oklahoma Gas & Electric, Engineering Intern** Summer 2019
- Designed Python scripts to analyze voltage and line loading of a power transmission system
- LivaNova, R&D Intern** Summer 2018
- Automated medical device testing by producing C# scripts to control electronics, capture measurements, and visualize data
  - Developed firmware for Bluetooth loopback testing
- Laboratory for Electrical Energy & Power Systems, UGRA** Spring 2018
- Simulated the interaction of plug-in electric vehicles and smart grids using MATLAB

## Honors & Awards

- Outstanding Senior in Electrical Engineering 2020
- Outstanding Junior in Electrical Engineering 2019
- Distinguished Mentor in Electrical and Computer Engineering 2019
- IEEE Power & Energy Society Scholar 2018 and 2019
- P.A.C.E Award: recognizes top 1% of students in freshman class
- National Merit Scholar 2016

## Skills & Coursework

- **Software:** Ansys HFSS, MATLAB, NI LabView, Keysight ADS, Altium, Python, C#
- **Hardware:** Anechoic chamber measurements, microwave test equipment
- **Coursework:** EM Fields & Waves, Radar Imaging, RF & Microwave Circuits, PCB Design Principles

## Activities

- *President:* IEEE Eta Kappa Nu
- Education Abroad: Semester in Arezzo, Italy
- Holmes Leadership Associate
- *Vice President:* Women in Electrical and Computer Engineering
- *Volunteer:* Lego Mindstorms

## Publication

- R. Jarvis and P. Moses, "Smart Grid Congestion Caused by Plug-in Electric Vehicle Charging," *2019 IEEE Texas Power and Energy Conference (TPEC)*, College Station, TX, Feb. 2019