

Daniel C. Nichols

EDUCATION

Bachelor of Science: Electrical Engineering
University of Oklahoma
Norman, OK • *Expected 12/2023*

- 3.80 GPA

Associate of Applied Science: Power Transmission & Distribution Technology
OSU/OKC
Oklahoma City, OK • *12/2017*

EXPERIENCE

Advanced Radar Research Center, University of Oklahoma – Undergraduate Research Assistant
Norman, OK • *01/2023 – present*

- Research focused on varactor characterization, specifically time-varying behavior and relationship between biasing, parasitics, and frequency
- Evaluated Spice model/data sheet agreement using ADS simulations
- Designed TRL calibration fixture to accurately extract varactor parasitics
- Performed anechoic chamber measurements and utilized network analyzers and high-frequency oscilloscopes for device testing
- Circuit fabrication using electroplating and laser cutting

Oklahoma Gas and Electric – Substation Engineering Intern
Oklahoma City, OK • *05/2022 – 1/2023*

- Reviewed Substation blueprints to determine best approaches to projects.
- Collaborated with Senior Engineer quality assurance reviews to support exceptional results.
- Produced technical MicroStation drawings and supporting construction documents.
- Created construction estimates and material lists for assigned projects.

Oklahoma Electric Cooperative – Apprentice Distribution Lineman
Norman, OK • *03/2017 – 11/2019*

- Underground primary and secondary fault location and repair
- Installed overhead lines, changed out transformers and connected new services.
- Worked extra shifts when emergencies or outages required assistance in adverse weather conditions.
- Participated in company safety meetings and led jobsite tailboards to review work procedures and discuss potential hazards

CONTACT

Nichols_DC@outlook.com
405-443-0623
Norman, OK 73026
www.linkedin.com/in/dc-nichols

SKILLS

- Advanced Design System (ADS)
- Ansys HFSS
- MicroStation
- Microsoft Office
- Matlab
- NI Multisim
- C++

CERTIFICATIONS

- Underground Distribution Circuits (OAEC, 2018)
- Power Metering (OAEC, 2018)
- Hotline School (OAEC, 2018)
- Distribution Transformers and Banks (OAEC, 2017)
- Substation Switching (WFEC, 2017)
- OSHA 10-Hour for General Industry (2017)

AWARDS

- Presidents Honor Roll at the University of Oklahoma
- College of Engineering Dean's Honor Roll