

Grant Karber

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EDUCATION

Bachelor of Science in Electrical Engineering

University of Oklahoma, Norman OK
Minor in Mathematics

Fall 2016 - Spring 2020
Graduation May 2020
Cumulative GPA: 3.98/4.0

Masters of Science in Electrical Engineering

University of Oklahoma, Norman OK

Fall 2020 – Spring 2021
Graduation May 2021

RELEVANT EXPERIENCE

Garmin (Marine) Olathe, KS

June 2020 – August 2020

- Design Engineering Intern
 - Researched techniques to reduce range side lobes for solid-state radar
 - Wrote script to automate radar testing
 - Designed a development board for radar power supply

Textron Systems (AAI) Hunt Valley, MD

June 2019 – August 2019

- Electrical Engineering Intern
 - Helped develop a test stand for motherboards
 - Designed and tested VHDL code
 - Built prototype circuits and modified PCBs
 - Designed custom PCB breakout board

Textron Aviation (Cessna) Wichita, KS

May 2018 – August 2018

- Avionics and Electrical Systems Intern
 - Updated a test stand to provide automation functionality
 - Helped develop a program to communicate to avionics system
 - Started a web automation program for document routing

Advanced Radar Research Center (ARRC) Norman, OK

January 2017 – May 2018

- Undergraduate Researcher
 - Worked on a team to develop a frequency and impedance reconfigurable antenna using magnetically-actuated low-loss ferrofluid loads
 - Designed a device to mechanically manipulate magnets for the antenna's reconfiguration

SKILLS

Hardware	Software	Programming languages
Soldering	Multisim	C++
Oscilloscope	Eagle	Python
Network Analyzer	CATIA/SolidWorks	VBA

AWARDS & EXTRACURRICULARS

National Merit Scholar

August 2016

HKN Society Member

January 2018 - Present