

## KYLE COX

Second Lieutenant, USAF | 970-417-3811 | cox351@purdue.edu

### EDUCATION

United States Air Force Academy 2016 – 2020  
Bachelors of Science in Engineering Chemistry  
Distinguished Graduate

Purdue University 2020 – Present  
College of Engineering, Department of Materials Engineering

### RESEARCH EXPERIENCE

Chemistry Research at the United States Air Force Academy 2018 – 2020  
Perform experiments and analyze and interpret data. Specific responsibilities include applying heat treatments to carbon fibers, Raman and Fourier Transform infrared spectroscopy, and scanning electron microscopy.

Oak Ridge National Laboratory  
Summer Internship – “Analysis of Carbon Fiber Morphology” 2019  
Performed experiments using Raman spectroscopy and scanning electron microscopy.

### PUBLICATIONS AND PRESENTATIONS

“Carbon Fiber Morphology” 2019  
Presentation at the Defense Threat Reduction Agency’s Nuclear Science and Engineering Research Center’s Military Academy Research Symposium  
Recognized as best presentation

### AWARDS

NCAA Scholastic All-American 2016 – 2020  
Air Force Basic Parachutist Badge 2017

### MEMBERSHIP

Phi Lambda Upsilon Honor Society