

Derek Rowe

Permanent Address

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Local Address

616 E College Ave
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EDUCATION

The Pennsylvania State University, University Park, PA

Intended B.S. in Chemistry

Cumulative GPA: 3.36

In-Major GPA: 3.65

Graduating May 2016
Eberly College of Science

Relevant courses:

Physical Chemistry – Quantum Chemistry

Physical Chemistry – Thermodynamics

Organic Chemistry

Chemical Spectroscopy

Graduate Quantum Chemistry I

Experimental Physical Chemistry

Experimental Organic Chemistry

Structural Analysis of Organic Compounds

EXPERIENCE

Pennsylvania State University

P M Lenahan Research Group

September 2014 - Present

- Gained valuable experience with EPR and EDMR spectroscopy and instrumentation techniques
- Performed experiments with GaN, SiC, and DLC substrates

SKILLS

- Experienced in EPR, EDMR, NMR (^1H , ^{13}C , 2D), GC-MS, FTIR, UV-Vis, Fluorescence spectroscopy
- Constructed a functional photodiode array UV-Vis spectrometer
- Extensive soldering experience with large (4 gauge wire) and small (small scale electronics assembly) applications

CONFERENCES AND POSTER SESSIONS

- Rocky Mountain Conference on Magnetic Resonance August 2015
 - EPR Symposium with the Lenahan Research Group
- ACS Undergraduate Research Symposium September 2015
 - *Low Temperature Rheological Properties of SAE 5W-30 Motor Oil*

INTERESTS AND ACTIVITIES

- Photography – Avid interest in photography since 2005, and currently working on improving self-taught photography skills in Photo Studio I
 - Youtube Tutorial Videos
 - Maintain and update a YouTube channel with various tutorial videos for DSLR camera operation and Alienware laptop specification and usage
 - Over 4,000 YouTube subscribers and 2,300,000 video views
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