

# Connor Briggs

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## Statement

Chemistry student from Virginia Tech with five years research experience in quantum chemistry and inorganic chemistry. Familiar with techniques in both organic and inorganic synthesis. Able to use various software packages important to chemical research.

## Education

- 2017-2022 **B.S. in Chemistry, Mathematics Minor**, *Virginia Polytechnic Institute and State University (Virginia Tech)*, Blacksburg, VA, 24060, GPA: 2.75.
- 2013-2017 **High School Diploma**, *Shippensburg Area Senior High School*, Shippensburg, PA, 17257.

## Skills

- C/C++: Advanced
- Microsoft Office: Proficient
- Inorganic Syntheses: Proficient
- Gas Chromatography: Proficient
- English: Native
- German: Proficient
- Python: Advanced
- Organic Syntheses: Proficient
- Air-sensitive Chemistry: Proficient
- Laboratory Research: Proficient
- French: Advanced

## Work Experience

- 2018-2021 **Salesperson**, *Sheetz*, Shippensburg, PA, 17257.

## Awards

- 2022 **ACS Undergraduate Award in Inorganic Chemistry**, *ACS Division of Inorganic Chemistry*.  
This award is given to undergraduate students who display excellence in inorganic chemistry, especially through research and coursework.

## Projects

- 2022 **Thiophene Ring Insertions**, *Virginia Tech*.  
In this project, I investigated the mechanics of a ring insertion reaction between tris(trimethylphosphine)(1,5-cyclooctadiene)iridium(I) chloride and several thiophene derivatives.

## Selected Publications

Benjamin G. Peyton, Connor Briggs, Ruhee D'Cunha, Johannes T. Margraf, and T. Daniel Crawford. Machine-learning coupled cluster properties through a density tensor representation. *The Journal of Physical Chemistry A*, 124(23):4861–4871, 2020. PMID: 32412756.