

Connor Briggs

203 Whitmer Rd.
Shippensburg, PA, 17257
☎ +1-(717)-860-9342
✉ cgbiggs99@gmail.com
🌐 cgbiggs99
in connor-briggs-1ba514241

Statement

Chemistry graduate from Virginia Tech with five years scientific research experience. Looking for a position as a process chemist. Work well in a fast-paced environment. Strong work ethic with a positive attitude. Great attention to detail. Collaborative, but can also work independently. Flexibility to adapt to any environment.

Education

- 08/2017 - **B.S. in Chemistry, Mathematics Minor**, *Virginia Polytechnic Institute and State University (Virginia Tech)*, Blacksburg, VA, 24060, GPA: 2.75.
05/2022 Completed a bachelor's degree in chemistry. While taking classes, I also worked with Dr. Daniel Crawford's research group to conduct research, where I contributed to the publication of one paper, and wrote thousands of lines of code. I also learned the importance of confidentiality in science.
- 08/2013 - **High School Diploma**, *Shippensburg Area Senior High School*, Shippensburg, PA, 17257.
05/2017

Skills

- Organic Chemistry
- Laboratory Equipment
- Analytical Chemistry
- Plating
- Laboratory Housekeeping
- Prototype Design
- Team Building
- Interpersonal Skills
- Microsoft Office Suite
- Iridium Chemistry
- Catalytic Chemistry
- Data Management and Interpretation
- X-ray Spectroscopy
- Platinum Group Metal Chemistry
- Instrumental Analysis
- Statistical Process Control
- Written Communications
- Laboratory Instrumentation
- Performing Experiments
- Attention to Detail
- Scientific Communication
- Sample Preparation and Testing
- Analysis Techniques
- Lab Maintenance

Work Experience

- 05/2022 - **Student Researcher**, *Virginia Tech*, Blacksburg, VA, 24061.
07/2022 Led an individual research project under the supervision of Dr. Joseph Merola. Performed over 20 reactions and investigated the ring-opening reactions of several different substituted thiophenes. The study investigated over 10 different rings, and involved the synthesis of a common iridium catalyst.
- 05/2018 - **Salesperson**, *Sheetz*, Shippensburg, PA, 17257.
07/2021 Worked as a cashier, serving hundreds of customers daily. Also spent some time as a line cook, with high order accuracy and speed, rarely dipping below a success rate of 60%.

Awards

07/2022 **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

05/2022 - **Thiophene Ring Insertions**, *Virginia Tech*.

07/2022 In this project, I performed experiments to deduce 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.