Connor Briggs

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Statement

Chemistry graduate from Virginia Tech with five years scientific research experience. Looking for a position as a specialist in quality control. Motivated to learn and perform my duties.

Education

08/2017 - 05/2022
B.S. in Chemistry, Mathematics Minor, *Virginia Polytechnic Institute and State University (Virginia Tech)*, Blacksburg, VA, 24060, GPA: 2.75.
Completed a bachelor's degree in chemistry. While taking classes, I also worked with Dr. Daniel Crawford's research group, where I contributed to the publication of one paper, and wrote thousands of lines of code. My ability to solve complex problems were useful to the group while developing machine learning models.

08/2013 - 05/2017
High School Diploma, *Shippensburg Area Senior High School*, Shippensburg, PA, 17257.

Skills

- HPLC
- Analytical Chemistry
- Gas Chromatography
- UV and Visible Spectroscopy
- Good Communicator
- Organic Chemistry
- Bioorganic Chemistry
- Leadership
- Purity Assays
- Various QC Guidelines

Work Experience

05/2022 - 07/2022
Student Researcher, *Virginia Tech*, Blacksburg, VA, 24061.
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 - 07/2021
Salesperson, *Sheetz*, Shippensburg, PA, 17257.
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 - 07/2022	**Thiophene Ring Insertions**, *Virginia Tech.* 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.