

# Connor Briggs

203 Whitmer Rd.  
Shippensburg, PA, 17257

☎ +1-(717)-860-9342

✉ cgbiggs99@gmail.com

✉ cgbiggs@vt.edu

🐱 <https://github.com/cgbiggs99>

## Research Interests

Quantum Chemistry

## Education

2017–2022 **B.S. in Chemistry with Mathematics Minor**, *Virginia Tech*, Blacksburg, Virginia.

2012–2017 **High School Diploma**, *Shippensburg Area Senior High School*, Shippensburg, Penna..

During high school, I enrolled in several A.P. and college courses in computer science, chemistry, physics, math, and electrical engineering. I was also a member of the French Honor's Society

## Research Experience

2017–2022 **Undergraduate Research**, *Virginia Tech*, Blacksburg, Virginia.

Worked under Dr. T. Daniel Crawford in his theory lab at Virginia Tech assisting in computations and writing code for research.

## Languages

English Native speaker

French Conversational proficiency

German Conversational proficiency

Esperanto Conversational proficiency

*Self-taught*

## Technical Skills

Languages C/C++, Python, CUDA C/C++, GNU Make, Bash, Java,  $\text{\LaTeX}$ ,  $\text{\TeX}$ , FORTRAN, x86 Assembler, Common Lisp

Operating Systems GNU/Linux (Debian, Ubuntu, Linux Mint, CentOS), Windows

Software Psi4, Gaussian, QCFractal, Git, Microsoft Office Suite, Google Office Suite

## Teaching Experience

2015–2020 **Tutoring.**

Tutored several students in chemistry and mathematics.

## Employment History

2018–2021 **Salesperson**, *Sheetz*, Shippensburg, Penna..

Prepared food, handled transactions, and handled maintenance jobs around the store.

---

## Awards

- 2016 **Eagle Scout**, *Boy Scouts of America*, Troop 121, Shippensburg, Penna..  
I assisted my local church in restoring historical artifacts and placing them on display.
- 2014 **Volunteer Service Award**, *Chambersburg Hospital*, Chambersburg, Penna..  
I volunteered as a messenger for the Chambersburg Hospital. Awarded for accruing 500 service hours.

---

## Media Appearances

- 2016 **Shippensburg News-Chronicle**.  
The News-Chronicle ran a story about my Eagle Scout project.

---

## 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.