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Connor Briggs

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, Pennsylvania.
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

Lanugages	C/C++, Python, CUDA C/C++, GNU Make, Bash, Java, LaTeX, 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, Pennsylvania.
Prepared food, handled transactions, and handled maintenance jobs around the store.

Awards

2016 **Eagle Scout**, *Boy Scouts of America*, Troop 121, Shippensburg, Pennsylvania.
I assisted my local church in restoring historical artifacts and placing them on display.

2014 **Volunteer Service Award**, *Chambersburg Hospital*, Chambersburg, Pennsylvania.
I volunteered as a messanger for the Chambersburg Hospital. Awarded for accruing 500 service hours.

Media Appearances

2016 **Shippensburg News-Chronicle**.
The Shippensburg 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.