Connor Briggs

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Research Interests

Quantum Chemistry

Education

2017–2022 **B.S. in Chemistry with Mathematics Minor**, *Virginia Tech*, Blacksburg, VA, *2.71 GPA*.

My first year at VT I struggled to adjust, and I ended my first semester with a 1.96. In my second and third years, I worked hard and my GPA shot up to a 2.67. When lockdowns started, I struggled to adjust to online learning, and my GPA stagnated, ending my fourth year with a 2.66. With the return to in-person instruction, I believe this will allow me to focus better on raising this, and I predict that at the end of the semester, I should have a 2.71.

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

During high school, I enrolled in several college courses in computer science, chemistry, physics, math, and electrical engineering.

Employment History

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

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

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		

Research Experience

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

Worked under Dr. T. Daniel Crawford in his theory lab at Virginia Tech.

Teaching Experience

2015–2020 **Tutoring**.
Tutored several students in chemistry and mathematics.

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.