

Shannon M. Weaver

Old Dominion University
Department of Chemistry and Biochemistry
Norfolk, VA 23529

EDUCATION/ PROFESSIONAL EXPERIENCE

Graduate Student

June 2021 – Present

Old Dominion University, Norfolk, VA

Advisor: Dr. Kyle Lambert

Research: Predicting Site Selective CH Borylation using Machine Learning

Post Bachelor Student

June 2020 – June 2021

Old Dominion University, Norfolk, VA

Advisor: Dr. Craig Bayse

Research: Computational Zinc Finger Sulfur and Selenium Interactions

Nuclear Engineering Technician

July 2019 - August 2020

Newport News Shipbuilding, Newport News, VA

Read and interpreted blueprints, manuals, and drawings to create technical procedures.

Bachelor of Science – Mathematics

August 2019

Indiana University, Richmond, IN

Courses of study completed were fundamental upper level undergraduate mathematics courses to include; mathematical modeling, linear algebra, real analysis, topology, statistics, number theory, and modern algebra.

Nuclear Engineering Laboratory Technician

June 2013 - June 2019

United States Navy, Norfolk, VA

Four years of experience working with and supervising chemistry laboratory personnel in utilizing analytical methods to troubleshoot analytical equipment, perform daily audits of chemistry analysis and create daily and monthly chemistry reports.

Navy Nuclear Power School

April 2015

Charleston, SC

Coursework included basic atomic theory, periodic tables, molecules, compounds, bonding, units of measurement associated with chemical reactions, equations, reasoning and methodology for chemically controlling steam generators and primary steam systems.

Associate in Science – Engineering Science

May 2013

Alfred State College, Alfred, NY

Coursework included the prerequisite classes applicable to all disciplines of engineering to include differential equations, general electrical circuitry, statics, and introduction to mechanical systems.

AWARDS/ GRANTS / FELLOWSHIPS

2021 Dominion Scholar Fellowship

2019 Navy Achievement Medal

2015 Navy Achievement Medal

SELECTED PRESENTATIONS

1. "Chalcogen bonding models of dithiazole and thiaselenazole-based nucleocapsid inhibitors" **Weaver, S.**, Dreab, A., Wilson, T., Bayse, C. Presented at the 262nd Meeting of the American Chemical Society, Atlanta, GA, August 22-26th, 2021. Virtual Poster Presentation.