

Alix Allen

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OBJECTIVE

Recent graduate with a Bachelor's degree in Mathematics and Statistics, equipped with comprehensive knowledge and skills acquired pursuits and hands-on internships. Possesses an extensive background in conducting research in the fields of Physics, Statistics, and Mathematics. Highly motivated and detail-oriented team player, seeking an opportunity to leverage skills and contribute to Mathematics and Data Science fields.

EDUCATION

University of Lynchburg

Bachelor of Science in Mathematics and Statistics

Lynchburg, Virginia

August 2020 - December 2023

Hampton University

Physics Major (Transferred to University of Lynchburg)

Hampton, Virginia

August 2018 - December 2019

EXPERIENCE

Data Analyst Intern | Lynchburg Fire Department

January 2023 - May 2023

- Sorted through data to provide information for a grant from the city of Lynchburg for the Lynchburg Fire Department.
- Provided needed data to reduce the workload of others.
- Attended many official meetings with the city that provided unforgettable professional experience.
- Received, cleaned, and prepped Excel spreadsheets to help the Executives in the re department develop the 2023 Annual Report.
- Assisted in analyzing data to optimize the time it takes firefighters to reach their destination to increase overall safeness of citizens.
- Learned basic and advanced Excel skills to further enhance analyzing data.

Mathematics and Statistics Tutor | University of Lynchburg

August 2020 - November 2022

- Taught students struggling with Calculus (1, 2, and 3) and Differential Equations.
- Collaborated with students to complete homework assignments, skills and correct weaknesses.
- Planned lessons for allotted time to strengthen weak subjects and build skills. Developed student confidence through positive reinforcement strategies.
- Leveraged technology to accelerate learning by providing students with easy to access information.
- Created spreadsheets using Microsoft Excel for daily, weekly and monthly reporting.

Research Assistant | Hampton University Physics Department

September 2018 - December 2019

- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations on Halide Perovskites.
- Planned, modified, and executed research techniques, procedures and tests
- Worked both independently and collaboratively in a fast-paced laboratory environment.
- Prepared materials for reports, presentations and submission to peer-reviewed journal publications.
- Collected research data through experimentation, surveys and leading focus groups investigators to coordinate qualitative research.
- <https://meetings.aps.org/Meeting/MAR20/Session/B63.12>

SKILLS

Python (*Moderate*)

Microsoft Excel (*Moderate*)

R Programming (*Beginner*)

Tableau (*Beginner*)

Teamwork and Collaboration

Organizing Data

Motivated

Responsible and Punctual

PROJECTS

- Research Project Assistant: The Study of Halide Perovskites (2018 - 2019)
- Awarded National NEED Award and Outstanding Energy Engineering and Design for solar-powered car design and construction (2018)
- Awarded #1 Senior Design for solar power UV water purifier (2018)