

Saima Rahman

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Andover, MA

US Citizen

She/ Her

I am a dedicated undergraduate with a strong foundation in statistics, data analysis, and biological research, complemented by hands-on experience in single-cell RNA sequencing and advanced microscopy techniques. I am passionate about solving complex problems through collaboration, leveraging analytical precision, and effectively communicating technical concepts to diverse audiences. I am seeking an internship in data science, biostatistics, or clinical research to contribute to projects that bridge the gap between healthcare and science.

EDUCATION

Colby College, Waterville, ME

Spring 2026

Major: Chemistry and Statistics

GPA: 3.47

King's College, London, United Kingdom

Spring 2025

EXPERIENCE

Summer Research Student, Boston, MA

Summer 2024

The Goldstein Laboratory - affiliated with Mass General Hospital and Harvard Medical School

- Conducted experiments and ensured accurate data collection/analysis, including PCR, qPCR, cell culture, and immunohistochemistry.
- Processed tissue samples, utilized advanced fluorescence microscopy, and analyzed data with ImageJ software.
- Mastered Seurat in RStudio to analyze single-cell RNA sequencing data, advancing research on cellular heterogeneity.

Teaching Assistant, Tutor, and Grader, Waterville, ME

Fall 2024

Statistics Department of Colby College

- Graded homework and lab assignments, facilitated TA sessions, and provided one-on-one tutoring to support students' understanding of statistical concepts.
- Assisted with proctoring the final exam, strengthened relationships with faculty and students, and represented the department by hosting candidates for faculty positions.

Comprehensive General Chemistry Lab Assistant, Waterville, ME

Spring 2024

Chemistry Department of Colby College

- Supported laboratory operations and experiments, analyzing data, maintaining equipment, and honing skills in laboratory techniques.

Retail Associate, Andover, MA

Summer 2022

CVS Health Corporation

- Worked in the pharmacy, aiding in organizing prescriptions as well as handling registers to dispense customer medications.
- Developed strong communication, leadership, problem-solving, and efficiency skills through daily interactions and responsibilities.

Instructional Assistant, Andover, MA

2021-2023

Shawsheen Elementary School with Andover Public Schools

- Supported preschoolers aged 3-5 with special needs in developing daily life skills, communication, and appropriate behaviors.
- Cultivated strong 1-to-1 relationships with students, earning their trust and confidence while serving as a positive role model.

SKILLS

Software: Microsoft Office, R (tidyverse, ggplot2, caret), Python (pandas, matplotlib, scikit), HTML

Languages: English (Native), Bangla (Native), Spanish (Moderate),

Strengths: Communication, Time-Management, Organization, Critical Thinking, Problem-solving, and Research.