

Aaron Colon

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Easton, PA

Summary

Sophomore university student seeking leadership opportunities, diverse and new skills, and support in my academic venture.

Education

Lehigh University, Bethlehem, PA

Biostatistics & Health Data Science, Pre-medicine | GPA: 3.78 | Dean's List x3

Graduation: May 2027

Easton High School, Easton, PA

AP Scholar with Honors, High Honor Roll, Top 1% Graduating Class

Graduation: June 2023 Honors:

Research Involvement

Sea-Phages/Sea-Genes

2022-2023

- Annotated the genome of Phage Hanako using bioinformatics tools such as DNA Master, PhagesDB, Starterator, GeneMarkS, Phamerator, BLASTp, HHpred, DeepTmHMM, and SOSUI.
- Identified gene start/stop sites, coding potential, and protein functions for GenBank submission to the National Center for Biotechnology Information (NCBI).

DNA Sticker Computation via Electrowetting

2021-2023

- Developed and tested a bio-inspired computing model using DNA stickers and electrowetting-on-dielectric (EWOD) technology to manipulate microfluidic droplets.
 - Contributed to manuscript preparation and presented findings in research meetings.
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Leadership

Rotary Club

2021-2023

- Participated in community service projects, including fundraising, environmental initiatives, and volunteer events.

Honor Society

2019-2023

- Coordinated and actively participated in over 100 community service events, including homeless pantries and community breakfasts, benefiting local citizens and aiding in the poverty epidemic.
 - Provided mentorship to junior NHS members, offering support, and guidance in their academic and service pursuits, contributing to their personal and academic growth.
 - Demonstrated a strong commitment to academic excellence by consistently maintaining a 4.0GPA and encouraging peers to strive for high academic standards.
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Campus Involvement

RARE

August 2023-Current

- Engaged in interdisciplinary collaboration with peers from diverse academic backgrounds, broadening my perspective and enhancing problem-solving skills.
- Contributed to the RARE community by actively participating in discussions, seminars, and events that encouraged intellectual discourse and the exchange of ideas.

Resident Assistant

August 2024-Current

- Fostered a safe, inclusive, and supportive residential community for 28 students.
 - Served as a peer mentor and resource, promoting leadership, diversity, and community engagement.
 - Collaborated with university staff to enhance the student residential experience through initiatives such as bulletin boards and community-building activities.
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