

# ANALYNN BISIANI

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## EDUCATION

### Bachelor of Science

*Stony Brook University*

- Major: Applied Mathematics and Statistics; Pre-Medicine Track
- GPA: 3.66

May 2028  
(Expected)

## RESEARCH EXPERIENCE/ INDEPENDENT PROJECTS

### Research Intern

*Dr. Julia Arciero: Department of Mathematical Sciences, Indiana University Indianapolis*

May 2025-  
August 2025

- 10-week research experience: Worked with another student on a project focusing on Mathematical Modeling on therapeutic interventions of heart transplants.
- Presented two posters and gave multiple oral presentations on my findings and results
- Was able to work with multiple collaborators combining mathematical and scientific efforts

### Undergraduate Research Assistant

*Dr. Srinis Pentyala lab: Department of Anesthesiology, Stony Brook School of Medicine*

September  
2024- Present

- Responsible for collaborating with a group of students to determine experiments, collect data/analyze, and write research papers.
- The goal is to work to better help patients suffering from diseases with not well known treatments.

### Independent Project COVID-19

- Project analyzing the mental, physical and social impacts of students during the pandemic and how that impacted their grades, motivation, and social skills in the present day.

September  
2023-August  
2024

## ACADEMIC EXPERIENCE

### Simon's Stem Scholars Program

June 2024-  
Present

- Selected as one of 50 students from a competitive pool of over 1000 applicants for a fully funded undergraduate program at Stony Brook University, dedicated to supporting students pursuing the PhD or MD/PhD pathway.

### Summer Bridge

June 2024-  
August 2024

- Intensive 6-week summer program filled with team bonding, teamwork/collaboration, research talks, panelists, Seminars, and 3 college courses (7 Credits: psychology, calculus, intro to Stony Brook)
- Visited prestigious research institutions, including the Flatiron Institute, Brookhaven National Laboratory, Cold Spring Harbor Laboratory, and the American Museum of Natural History, to explore and engage with groundbreaking research initiatives and research talks.

### **Certification/Skills**

- NYS EMT-B certification
- American Heart Association CPR Certified
- Python coding, teambuilding, collaboration, leadership, advocacy, integrity, compassion, and determination

### **Volunteer organizations/Affiliations**

- Stony Brook Volunteer Ambulance Corp. September 2024-Present
- Provide care to all Stony Brook University Campus district. Also work with mentoring new probie classes and attending continuing trainings in the field.

Student Blood Drive Committee

- Tutor:** September 2020-Present
- Spring Forward Tutoring*
- Tutored students primarily k-12 in math, science, social, studies, English, and SAT prep. Improved my communication skills and fine-tuned teaching capabilities.

### **WORK EXPERIENCE**

#### **Cashier/Customer Service Representative**

- Kohl's* June 2023-June 2024
- Student Assistant**

Compliance Department: Stony Brook University Student Health Services

- Work with the Electronic Health Record for all students on campus.
  - Use google excel to analyze data pulled from the EHR and present findings
  - Work to reclassify all student files into an organized model
- September 2025-Present

### **RELEVANT COURSEWORK**

#### **Anatomy and Physiology 1 with Lab**

- Adelphi University* September 2023-June 2024
- Cashier/Customer Service Representative**

*Kohl's*

#### **Computer Science 101 (CSE 101)**

- Stony Brook University* June 2023-June 2024

#### **Applied Linear Algebra UGTA**

- Calculus IV UGTA** August 2024-Present

