

# LILLY NGO

Eden, Maryland ♦ Willing to Relocate  
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## OBJECTIVE

Dedicated student with a strong academic foundation and experience in personal and collaborative projects, seeking to contribute and foster growth through innovative problem-solving in a dynamic internship environment.

## EDUCATION

**Salisbury University**, Henson School of Science & Technology Expected May 2026  
Honors Bachelor of Science, Computer Science Major, Software Engineering Track GPA: 3.6  
Mathematics Major, Computational Mathematics Track

**Relevant Coursework:** Database Design, Theory of Computation, Linear Algebra, Advanced Data Structures

## WORK EXPERIENCE & PROJECTS

**Tidal Health Hospital** Salisbury, MD  
Rotational Intern January 2025 – Present

- Gained hands-on experience across IT Service, Epic Analysis, Provider Informatics, and Project Management teams.
- Contributed to cross-functional projects by applying technical skills in programming, problem-solving, and collaboration, directly improving organizational processes and operational efficiency.
- Developed software solutions to enhance workflow automation, data management, and optimize system performance.

**Predicting Heart Disease Probability with Machine Learning** Salisbury, MD  
Student Software Engineer / Python September 2024 – December 2024

- Collaborated in a team of 3 to design, develop, and evaluate a hybrid Naïve Bayes Machine Learning Model to predict heart disease likelihood using the UCI heart disease repository.
- Developed scalable solutions and performed data preprocessing/analytics using Python and Git Repositories.

**Analysis of Fractal Dimensions in Cellular Automata** Salisbury, MD  
Undergraduate Research Fellow May 2024 - August 2024

- Analyzed fractal dimensions using data analysis and statistical methods to model complex geometric patterns.

**Analysis Growth Rate Dimensions in Cellular Automata** Salisbury, MD  
Undergraduate Student Researcher January 2024 – May 2024

- Led research on cellular automata and fractal dimensions, developing proofs and advancing theoretical understanding.

**Exploration of Hidden Gender Bias in Large-Language Models** Salisbury, MD  
Clark Honors College Student Researcher January 2024 – May 2024

- Conducted analysis of scholarly journals to identify trends in bias within LLMs using Prompt Engineering techniques.

## LEADERSHIP & INVOLVEMENT

**Seagull Circle, Peer Mentor** September 2024 - Present

- Helped students develop academic skills and implemented strategies to improve retention rates in a supportive learning environment, maintaining detailed student records, providing timely support, connecting students to key resources.

**Student Government Association, Treasurer** May 2024 - Present

- Managed \$70,000 annual budget, ensuring proper allocation of funds and adherence to financial policies.
- Prepared detailed financial reports, providing the executive board with insights to guide future spending decisions.

**Henson Student Leader Advisory Committee (H-SLAC), Member** December 2023 - Present

- Represented student body concerns to Henson faculty, providing feedback and consulting on student-related issues.
- Collaborated with 10+ fellow leaders and faculty to develop programs that increased student participation by 27%.

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, Python, C++, HTML, CSS  
**Software Proficiency:** VSCode, Replit, Git/GitHub, Eclipse