

# **Sarah Sawyer**

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## **EDUCATION**

**Cornell University**, College of Agriculture and Life Sciences, Ithaca, NY  
Bachelor of Science, Biological Engineering  
GPA: 3.902

**Expected May 2028**

**Relevant Courses:** Principles of Biological Engineering, Innovating with Biological Engineering, Investigative Biology Laboratory, Foundations of Biology, Introduction to Computing: An Engineering and Science Perspective

## **PROFESSIONAL EXPERIENCE**

**Nautical Bowls**, Leesburg, VA, *Shift Lead*

**Jun 2024-Present**

- Supervise and coordinate a team of 4-5 employees per shift, ensuring efficient operations
- Resolve customer and employee conflicts by applying problem-solving strategies
- Maintain store organization and cleanliness in compliance with health and safety standards
- Produce social media content for the store to strengthen brand loyalty and foster community engagement

## **LEADERSHIP EXPERIENCE**

**Sigma Delta Tau**, Cornell University, *Vice President of Philanthropy and Service*

**Dec 2025-Present**

- Lead planning and execution of chapter-wide initiatives, engaging 140+ members in sustained service efforts
- Coordinate fundraising events to support philanthropic partners, managing logistics and outreach
- Collaborate with executive board members to align service with university guidelines and chapter values
- Track volunteer hours and event impact to assess effectiveness and improve future programming

**Food Recovery Network**, Cornell University, *Director of Volunteers*

**Dec 2025-Present**

- Recruit, train, and manage 120+ volunteers to support consistent campus food recovery operations
- Lead volunteer training and maintain communication systems (Listserv, GroupMe) to ensure preparedness
- Coordinate with dining services to create semester master schedules and assign volunteers to daily recoveries
- Resolve scheduling conflicts and last-minute absences to maintain uninterrupted recovery operations

## **RESEARCH EXPERIENCE**

**Bioengineering a System for Managing Sepsis**, Cornell University, *Undergraduate Researcher*

**Sep 2025-Present**

- Culturing mammalian cells and extracting extracellular vesicles to investigate delivery systems
- Optimizing methods to enhance intracellular drug uptake for treatment of bloodstream infections
- Contributing to a DARPA-funded project developing next-generation strategies for sepsis management

**Improving Pollinator Responses to Ozone Pollution**, Academies of Loudoun, *Lead Researcher*

**Aug 2022-Jun 2024**

- Designed and led a project addressing ozone-driven disruptions in pollination patterns
- Directed a small research team through experimental design, data collection, and analysis
- Awarded Best Project in Animal Science at the Academies of Loudoun Research Symposium (2023 & 2024)

## **CAMPUS INVOLVEMENT & ADDITIONAL EXPERIENCE**

**The Healthcare Review at Cornell University**, Cornell University, *Editor*

**Jan 2025-Present**

**Camp Tag-A-Long**, Leesburg, VA, *Volunteer*

**Aug 2019-Aug 2023**

**Aerie**, Leesburg, VA, *Retail Salesworker*

**May-Sep 2022**

## **SPECIALIZED SKILLS**

**Lab:** Cell culture, micropipetting, EV extraction, PCR, DNA transformation, multiwell plate assays, bioinformatics

**Software:** Python, R, AutoCAD, SnapGene, Microsoft (Word, Excel, PowerPoint, Teams, Outlook)

## **INTERESTS**

Baking, coffee, food security advocacy, health policy, photography, trail running, rowing