

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