**Scrappy Owl**

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**Education**

**Kennesaw State University, Kennesaw, GA**  Expected May 2027

*Bachelor of Science in Biology*

Relevant Coursework: Cell and Molecular Biology, Human Physiology, Microbiology, Genetics, Immunology

**Research Experience**

**Microbial Contamination Research Project**

*Kennesaw State University, Kennesaw, GA* February 2025

* Collected and cultured surface swabs from campus facilities to analyze bacterial contamination levels
* Presented findings in a lab report and group discussion, highlighting contamination patterns and potential risk
* Identified and classified bacterial colonies using gram staining and selective media, enhancing lab technique proficiency and understanding of microbial diversity

**Data Analysis Project – COVID 19 Trends**

*Kennesaw State University, Kennesaw, GA* October 2024

* Analyzed publicly available CDC data to examine trends in COVID-19 case numbers and vaccination rates across Georgia counties
* Used Excel to generate graphs and summarize key correlations and interpreted findings in a short-written report shared in a class for peer feedback
* Discovered patterns in case spikes and vaccination rates to better understand regional health trends

**Volunteer Experience**

**American Red Cross,**

*Blood Donor Ambassador, Kennesaw, GA* May 2023 – December 2024

* Welcomed and registered blood donors, verified eligibility documentation, and guided them through the donation process.
* Monitored donors for post-donation reactions and provided support and snacks as needed
* Promoted blood drives on campus and through student organizations, helping increase participation by 20%
* Gained experience in health outreach, communication, and maintaining sanitary protocols in a clinical setting

**Presentations**

**The Impact of Antibiotic Resistance on Public Health, Microbiology**

*Microbiology Course, Kennesaw State University* April 2025

* Researched trends in antimicrobial resistance, including MRSA & drug-resistant tuberculosis, by examining historical data and emerging resistance mechanism to understand their evolution
* Analyzed scientific articles and CDC data to assess global and local health implications
* Delivered a 15-minute presentation to a class of 30; received top marks for clarity and research depth

**Affiliations**

American Institute of Biological Sciences, Member May 2023 – Present