

Emma Battista

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Education

Temple University

Bachelor of Arts, Anthropology | Bachelor of Science, Biology

August 2022—Present

Expected graduation: May 2027

Experience

The Borguet Group – Undergraduate Researcher

- Research into metal-organic framework precursors as an alternative catalyst in cross-aldol condensation reactions
- Analyze data through H-NMR and GC-MS, as well as UV-Vis and FTIR when needed
- Present detailed findings at weekly meetings, including literature reviews that expand chemistry knowledge

December 2025—Present

Philadelphia, PA

Isotope Analysis of Archaeological Materials Field School at

Cardiff University – Student

- Handled over 20 archaeological artifacts from 3-4 different archaeological excavations by cutting samples, cleaning, and monitoring HCl demineralization
- Extracted and collected collagen from archaeological artifacts to prepare samples for mass spectrometry isotope analysis
- Maintained a thorough record throughout the entire process of sample preparation to ensure effective communication between colleagues

July 2025—August 2025

Cardiff, Wales, UK

Bioarchaeology & Forensic Anthropology Field School at University of Massachusetts – Student

- Collaborated with team members to complete a detailed 60-page report based on findings of the excavation
- Studied the complete human skeleton, bone landmarks, and discussed topics of violence and ethics in archaeology
- Engaged in the process of an archaeological site dig, including mapping, shovel test pits, excavating, and cataloging artifacts

May 2024—July 2024

Amherst, MA

Leadership

Temple Anthropology Undergraduate Association – President

- Coordinate with 3 officers every week to prepare for biweekly club meetings
- Create visual aids for club meetings and anthropology-related events to increase student networking and connections
- Arrange outreach methods for members to find field schools and internships related to their interests

February 2024—Present

Philadelphia, PA

Skills

- Familiar with use of H-NMR, GC-MS, FTIR, and UV-Vis machinery and data analysis
- Scientific lab protocol and safety competency
- Archaeological sample preparation and handling for analysis
- Scientific lab report writing
- Collagen extraction
- Record keeping
- Excel competency
- Archaeological excavation competency
- Site mapping
- Shovel test pit and excavation unit set up
- Museum exhibit writing and development

