



Building the Future: Summer as a STEM instructor

Taylor R. Phillips Hillian
College Park Scholars – Science & Global Change Program
Bioengineering
tphilli8@umd.edu
CPSP359G
College Park Scholars Academic Showcase, May 1, 2026



Job overview:

As a Summer Instructor/Intern with Lavner Education at The Bryn Mawr School in Baltimore, I will lead and support engaging educational camp programs for students while helping create a fun, structured, and inclusive learning environment. My role includes teaching camp curriculum in an interactive way, preparing lessons and materials, and ensuring students are actively participating and supported throughout the day. In addition to instruction, I will collaborate with staff, attend meetings, assist with program logistics such as inventory and setup, and help with extended day activities when needed. This position allows me to develop strong leadership, communication, and organizational skills while making a positive impact on students' learning experiences.

Impact:

This role creates a meaningful impact for both myself and the students. For me, working as a Summer Instructor/Intern strengthens my leadership, communication, and teaching skills while giving me hands-on experience in guiding and mentoring others. It also helps me build confidence, adaptability, and responsibility in a real-world setting. For students, the impact is seen through a supportive and engaging learning environment where they can build new skills, gain confidence, and develop curiosity in the subject matter. By providing structured guidance and encouragement, I help foster both their academic growth and personal development, making learning enjoyable and impactful.

Site Information:

Name of Site: Lavner Education Bryn Mawr

Address: 109 W. Melrose Avenue Baltimore, MD 21210

Supervisor: Amanda Supplee

Mission: create premier, transformative educational experiences in STEM for kids and teens worldwide, empowering them to build in-demand skills, self-confidence, and long-term success

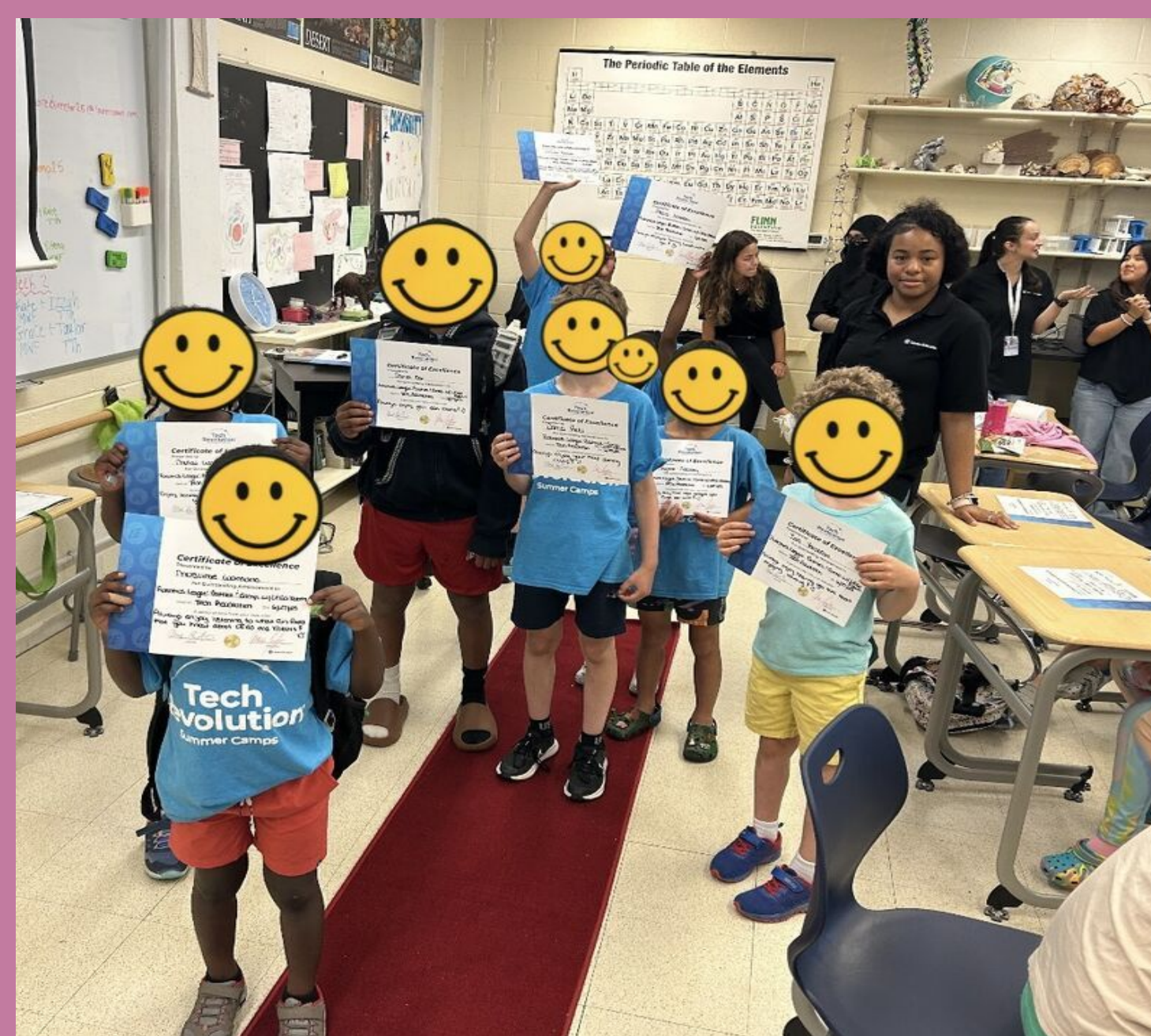
Goals: empower students ages 6–16 by creating premier, inclusive STEM and arts experiences that build in-demand skills, self-confidence, and a passion for learning

Acknowledgments:

I would like to thank my supervisor Amanda and site advisor Taylor for helping me grow as a leader and teacher over the 12 weeks I worked under them. I also wanted to thank Dr. Holtz and Dr. Merck for creating such a welcoming environment everytime I step into the classroom. Definitely one of the best classes any student can take.

Activities:

- Taught **Robotics League: Battles & Competitions with LEGO® Robots**, guiding students in building, programming, and competing with robots
- Led **Roblox with Game Design, AI & Competitions**, helping students design games and explore basic AI concepts
- Instructed **Digital Animation with Scratch**, teaching students how to create animated stories and projects
 - Facilitated **Coding 101 with Scratch**, introducing beginners to coding fundamentals through interactive activities
- Guided **Robotics with Take-Home Robot**, supporting students in assembling and programming robots they could continue using outside of camp
- Assisted students with problem-solving, debugging, and improving their projects
- Encouraged teamwork, creativity, and critical thinking through hands-on activities and competitions



Both of the images are taken during the summer camps. The image on the left is taking at the end of a week of camp celebration acknowledging all the kids hard work throughout the week. The picture on the left is a group of kids working together to designing a robotic robot for the end of the week lego battle.

Future Work:

This position helped me build transferable skills such as leadership, communication, teamwork, and problem-solving that apply to many future careers beyond teaching. In the future, I can use this experience to pursue roles in engineering, product development, or technology-focused industries where explaining complex ideas and working with teams is essential. It also strengthened my ability to manage projects and collaborate with others, which will be valuable in any professional setting.

Issues Confronting Site:

Issues confronting the site included challenges with management and communication, which sometimes affected overall organization and efficiency. At times, unclear instructions or delayed updates made it difficult for staff to coordinate smoothly and stay fully aligned on expectations.

Improving communication systems and strengthening management structure would help create a more consistent and well-organized environment for both staff and students.



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