

Blake Bergey

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SUMMARY

Motivated third-year undergraduate pursuing a B.S. in Materials Science & Engineering with a minor in Mechanics of Materials at Lehigh University. Seeking a Summer 2025 internship to gain hands-on experience in materials engineering, with particular interest in manufacturing, metallurgy, and fracture analysis. Strong academic foundation in diffusion, phase transformations, mechanical behavior, and thermodynamics of materials, supported by laboratory and teaching assistant experience. Eager to apply problem-solving, technical, and communication skills to contribute to innovative materials research and development.

EDUCATION

Lehigh University

B.S. Materials Science & Engineering

Expected Graduation May, 2027

Current GPA: 3.22/4.0

- **Minor:** Mechanics of Materials
- **Relevant Courses:** Diffusion/Phase Transformations, Polymeric Materials, Structure at the Nanoscale, Thermodynamics of Macro/Nano Materials, Mechanical Behavior of Materials, Materials Laboratory, Calculus III

Valedictorian of McGraw High School Class of 2023

GPA: 4.0/4.0

WORK EXPERIENCE

Lehigh University Materials Department

Aug. 2025 – Present

Assistant

Bethlehem, PA

- Assists in the execution of undergraduate metallurgy laboratories through the preparation of samples, providing instruction to 20+ students per week on lab techniques and usage of equipment, improving confidence and efficiency in materials testing. Aids with understanding of theory and materials mechanisms
- Performs general maintenance on equipment in the Materials Science laboratories

Railroad Records

Jun. 2025 - Present

Manager

Bethlehem, PA

- Oversees local record store, engaging with customers to foster a welcoming environment
- Manages and prices current inventory while seeking out additional inventory via local collectors

Lowe's

Mar. 2025 – Aug. 2025

Paint Department Sales Associate

Quakertown, PA

- Assisted customers with product selection and application methods while maintaining paint equipment.
- Managed store-wide inventory through the collaboration with team members and the use of powered equipment

Freelance

May 2024 – Aug. 2024

- Completed home repair projects (deck building, painting), requiring time management and hands-on problem solving across multiple clients.

McDonald's

Mar. 2021 – Jan. 2024

Crew Member

Cortland, NY

- Worked in a team to successfully operate store at the most efficient level possible in a high-paced environment

CAMPUS/COMMUNITY INVOLVEMENT

Teaching Assistant at Bethlehem Elementary and Middle Schools

Sept. 2023 – May 2025

- Assisted teachers in running class more effectively by assisting students in understanding academic concepts
- Formed connections with the surrounding Bethlehem community

University Marching Band

Aug. 2023 - Present

- Trumpet Section Leader: Leads and provides guidance to section members, organizes sectionals
- Performs at every home football game and many away games, and attends 2-4 rehearsals a week

SKILLS & INTERESTS

- **Technologies:** Metallography, Mechanical Testing, Microscopy, SEM, SolidWorks, Python, Microsoft Office
- **Skills:** Problem solving, communication, organization, people skills, written communication, time management
- **Interests:** Music; The Outdoors; Reading; Clay Shooting; Comedy; Record Collecting; History; Creative Writing